



G.V.F. – GIVIEFFE S.p.A.

Revision nr. 1

Dated 10/12/2018

OMB SUN LIGHT OIL 500ml

First compilation

Printed on 10/12/2018

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 00615
Product name: OMB SUN LIGHT OIL 500ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: bleaching oil for hair for cosmetic use

1.3. Details of the supplier of the safety data sheet

Name: G.V.F. – GIVIEFFE S.P.A.
Full address: Via Giovanni Falcone, 8
District and Country: 20080 Vernate (MI)
Italy
tel. 02 90093743
fax 02 90093740

e-mail address of the competent person responsible for the Safety Data Sheet: sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to: In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

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2.2. Label elements



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Hazard pictograms:

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Hazard statements:

H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102 Keep out of reach of children.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents / container in accordance with local/regional/national/international regulations

Contains: ETHANOLAMINE
Dodecan-1-ol, ethoxylated
Amides, C12-18 and C18-unsatd., N,N-bis(hydroxyethyl)
2,2'-(octadec-9-enylimino)bisethanol

Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Alcohols, C12-14, ethoxylated		
CAS 68439-50-9	$21 \leq x < 22,5$	Eye Irrit. 2 H319, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412
EC 500-213-3		

INDEX -

1,2-PROPANEDIOL

CAS 57-55-6 19,5 ≤ x < 21

EC 200-338-0

INDEX -

Dodecan-1-ol, ethoxylated

CAS 9002-92-0 12 ≤ x < 13,5 Eye Dam. 1 H318, Aquatic Acute 1 H400 M=1

EC 500-002-6

INDEX -

ETHANOLAMINE

CAS 141-43-5 9 ≤ x < 10,5 Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412

EC 205-483-3

INDEX 603-030-00-8

Amides, C12-18 and C18-unsatd., N,N-bis(hydroxyethyl)

CAS 90622-74-5 8,5 ≤ x < 10 Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 2 H411

EC 292-477-9

INDEX -

PROPAN-2-OL

CAS 67-63-0 1 ≤ x < 1,5 Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336

EC 200-661-7

INDEX 603-117-00-0

2,2'-(octadec-9-enylimino)bisethanol

CAS 25307-17-9 1 ≤ x < 1,5 Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1

EC 246-807-3

INDEX -

Reg. no. 01-2119510876-35-xxxx

Propanoic acid, 2-hydroxy-, C12-15-alkyl esters

CAS 93925-36-1 0,75 ≤ x < 0,85 Eye Irrit. 2 H319, Aquatic Acute 1 H400 M=10, Aquatic Chronic 2 H411

EC 300-338-1

INDEX -

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed



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Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

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SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

1,2-PROPANEDIOL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	GBR	474	150		

ETHANOLAMINE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	2,5	1	7,5	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

PROPAN-2-OL

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Threshold Limit Value					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLA	ESP	500	200	1000	400
WEL	GBR	999	400	1250	500
TLV-ACGIH		492	200	983	400

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties



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Appearance	Oily liquid (visual)
Colour	from straw yellow to dark yellow (visual)
Odour	Characteristic (olfactive)
Odour threshold	Not available
pH	10,50 – 11,20 (pH meter METTLER)
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C (calculation method)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

VOC (Directive 2010/75/EC) :	32,42 %
VOC (volatile carbon) :	14,73 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

1,2-PROPANEDIOL

Hygroscopic. Stable in normal conditions of use and storage.

At high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

1,2-PROPANEDIOL

May react dangerously with: acid chlorides, acid anhydrides, oxidising agents.



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ETHANOLAMINE

ETHANOLAMINE: can react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong mineral acids, vinyl acetate, cellulose nitrate.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

ETHANOLAMINE

ETHANOLAMINE: avoid exposure to air and sources of heat.

10.5. Incompatible materials

ETHANOLAMINE

ETHANOLAMINE: iron, strong acids and strong oxidising agents.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

1,2-PROPANEDIOL

May develop: carbon oxides.

ETHANOLAMINE

ETHANOLAMINE: nitrogen oxides, carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available



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Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Dermal) of the mixture:

>2000 mg/kg

1,2-PROPANEDIOL

LD50 (Oral) 20800 mg/kg Rat

LD50 (Dermal) 20800 mg/kg Rat

ETHANOLAMINE

LD50 (Oral) > 1089 mg/kg rat

LD50 (Dermal) > 2504 mg/kg rabbit

LC50 (Inhalation) > 1,48 mg/l/4h

PROPAN-2-OL

LD50 (Oral) 4710 mg/kg Rat

LD50 (Dermal) 12800 mg/kg Rat

LC50 (Inhalation) 72,6 mg/l/4h Rat

Glycerides, coco mono- and di-, ethoxylated

LD50 (Oral) > 5000 mg/kg

Alcohols, C12-14, ethoxylated

LD50 (Oral) > 2000 mg/kg rat

Dodecan-1-ol, ethoxylated

LD50 (Oral) > 2000 mg/kg rat



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Amides, C12-18 and C18-unsatd., N,N-bis(hydroxyethyl)

LD50 (Oral) > 5000 mg/kg rat

LD50 (Dermal) > 2000 mg/kg rabbit

2,2'-(octadec-9-enylimino)bisethanol

LD50 (Oral) > 2000 mg/kg rat

Fatty acids, C16-18 and C18-unsatd.

LD50 (Oral) > 2000 mg/kg

Propanoic acid, 2-hydroxy-, C12-15-alkyl esters

LD50 (Oral) > 21 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 5000 mg/l/4h

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class



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STOT - SINGLE EXPOSURE

May cause respiratory irritation

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and highly toxic for aquatic organisms.

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

ETHANOLAMINE

LC50 - for Fish	> 394 mg/l/96h <i>Cyprinus carpio</i>
EC50 - for Crustacea	> 65 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	2,5 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
Chronic NOEC for Fish	3,6 mg/l <i>Oryzias latipes</i>
Chronic NOEC for Crustacea	0,85 mg/l <i>Daphnia magna</i>
Chronic NOEC for Algae / Aquatic Plants	> 1 mg/l <i>Selenastrum capricornutum</i>

Glycerides, coco mono- and di-, ethoxylated

LC50 - for Fish	> 10 mg/l/96h <i>Leuciscus idus</i> (DIN EN ISO 7346-2)
EC50 - for Crustacea	> 100 mg/l/48h <i>Daphnia magna</i>

Alcohols, C12-14, ethoxylated

LC50 - for Fish	< 1 mg/l/96h <i>Carassius auratus</i>
EC50 - for Crustacea	< 1 mg/l/48h <i>Daphnia magna</i>

Dodecan-1-ol, ethoxylated

LC50 - for Fish	< 1 mg/l/96h <i>Carassius auratus</i>
EC50 - for Crustacea	< 1 mg/l/48h

Amides, C12-18 and C18-unsatd., N,N-bis(hydroxyethyl)

LC50 - for Fish	> 1 mg/l/96h <i>Brachydanio rerio</i>
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2,2'-(octadec-9-enylimino)bisethanol

LC50 - for Fish	> 1 mg/l/96h <i>Danio rerio</i>
EC50 - for Crustacea	> 0,01 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>

EC10 for Algae / Aquatic Plants

> 0,01 mg/l/72h *Pseudokirchneriella subcapitata*

Fatty acids, C16-18 and C18-unsatd.

LC50 - for Fish

> 56 mg/l/96h

Propanoic acid, 2-hydroxy-, C12-15-alkyl esters

LC50 - for Fish

0,28 mg/l/96h

EC50 - for Crustacea

0,064 mg/l/48h *Daphnia magna*, ECOSAR

EC50 - for Algae / Aquatic Plants

1,8 mg/l/72h *Pseudokirchneriella subcapitata*, OECD Guideline 201

12.2. Persistence and degradability

1,2-PROPANEDIOL

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

ETHANOLAMINE

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

PROPAN-2-OL

Rapidly degradable

Glycerides, coco mono- and di-, ethoxylated

Rapidly degradable

Alcohols, C12-14, ethoxylated

Rapidly degradable

Dodecan-1-ol, ethoxylated

Rapidly degradable

Amides, C12-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Rapidly degradable

Propanoic acid, 2-hydroxy-, C12-15-alkyl esters

Rapidly degradable

12.3. Bioaccumulative potential

1,2-PROPANEDIOL

Partition coefficient: n-octanol/water

-1,07

BCF

0,09

ETHANOLAMINE

Partition coefficient: n-octanol/water -2,3

PROPAN-2-OL

Partition coefficient: n-octanol/water 0,05

12.4. Mobility in soil

1,2-PROPANEDIOL

Partition coefficient: soil/water 0,46

ETHANOLAMINE

Partition coefficient: soil/water -0,5646

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, 3267
IATA:

(See "note 1" of the sub-section 14.6)

ADR exemption because compliance with section 14.6:



14.2. UN proper shipping name


ADR / RID: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ETHANOLAMINE, Laureth 4)

IMDG: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

IATA: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (See "note 1" of the sub-section 14.6)

*(See "note 1" of the sub-section 14.6)

14.3. Transport hazard class(es)

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ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA*: Class: 8 Label: 8



*(See "note 1" of the sub-section 14.6)

14.4. Packing group

ADR / RID, IMDG, III
IATA:

14.5. Environmental hazards

ADR / RID: Environmentally
Hazardous

IMDG: Marine Pollutant

IATA: NO



For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 80

Limited
Quantities: 5
L

Tunnel
restriction
code: (E)

Special Provision: -

IMDG: EMS: F-A, S-B

Limited
Quantities: 5
L

IATA: Cargo:

Maximum
quantity: 60 L

Packaging
instructions:
856
Packaging
instructions:
852

Pass.:

Maximum
quantity: 5 L

Special Instructions:

A3, A803

Note 1

The product is distributed in a form intended or suitable for retail sales for the purpose of personal care,

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: E1

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006



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Product
Point

3

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
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- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
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- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
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G.V.F. – GIVIEFFE S.p.A.

Revision nr. 1

Dated 10/12/2018

**00615 - OMB SUN LIGHT OIL
500ml**

First compilation

Printed on 10/12/2018

12. Regulation (EU) 2016/1179 (IX Atp. CLP)

13. Regulation (EU) 2017/776 (X Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety

- INRS - Fiche Toxicologique (toxicological sheet)

- Patty - Industrial Hygiene and Toxicology

- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

- IFA GESTIS website

- ECHA website

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



G.V.F. – GIVIEFFE S.p.A.

Revision nr. 1

Dated 10/12/2018

OMB BLONDE SEALER 500ml

First compilation

Printed on 10/12/2018

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 00616
Product name: OMB BLONDE SEALER 500 ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: pH balancing milk for cosmetic use

1.3. Details of the supplier of the safety data sheet

Name: G.V.F. – GIVIEFFE S.P.A.
Full address: Via Giovanni Falcone, 8
District and Country: 20080 Vernate (MI)
Italy
tel. 02 90093743
fax 02 90093740

e-mail address of the competent person responsible for the Safety Data Sheet: sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to: In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-

2.2. Label elements



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Hazard pictograms:

-

Signal words:

Hazard statements:

EUH208

Contains: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, α -hexylcinnamaldehyde
May produce an allergic reaction.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice / attention.
P501 Dispose of contents / container in accordance with local/regional/national/international regulations

Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Cetrimonium chloride		
CAS 112-02-7	$1 \leq x < 1,5$	Acute Tox. 3 H311, Acute Tox. 4 H302, Skin Corr. 1C H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 203-928-6		
INDEX -		
Reg. no. 01-2119970558-23-xxxx		
Tetradecanol		
CAS 112-72-1	$0,7 \leq x < 0,8$	Eye Irrit. 2 H319, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 204-000-3		

INDEX -

Reg. no. 01-2119485910-33-xxxx

Quaternary ammonium compounds, C20-22-alkyltrimethyl, chlorides

CAS 68607-24-9

 $0,35 \leq x < 0,4$

STOT RE 2 H373, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1

EC 271-756-9

INDEX -
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

CAS 54464-57-2

 $0,1 \leq x < 0,15$

Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411

EC 259-174-3

INDEX -
 α -hexylcinnamaldehyde

CAS 101-86-0

 $0,1 \leq x < 0,15$

Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

EC 202-983-3

INDEX -

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture



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HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available



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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Emulsion (visual)
Colour	White (visual)
Odour	Characteristic (olfactive)
Odour threshold	Not available
pH	4,00 – 4,50 (pH meter METTLER)
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C (calculation method)



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Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	6000 – 13000 cps (Brookfield RV gir HS95 50 rpm)
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

VOC (Directive 2010/75/EC) :	0,93 %
VOC (volatile carbon) :	0,70 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.



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11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:
Not classified (no significant component)
LD50 (Oral) of the mixture:
>2000 mg/kg
LD50 (Dermal) of the mixture:
>2000 mg/kg

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

LD50 (Oral) > 5000 mg/kg ratto

LD50 (Dermal) > 5000 mg/kg ratto

Cetrimonium chloride

LD50 (Oral) > 2000 mg/kg

LD50 (Dermal) > 2000 mg/kg

α -hexylcinnamaldehyde

LD50 (Oral) 3100,01 mg/kg

Tetradecanol

LD50 (Oral) > 2000 mg/kg rat

Alcohols, C16-18



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LD50 (Oral) > 2000 mg/kg rat

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction. Contains: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
 α -hexylcinnamaldehyde

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
LC50 - for Fish

1,3 mg/l/96h Specie: *Lepomis macrochirus* (Pesce-sale Bluegrill) - Metodo:
OECD TG 203

EC50 - for Crustacea

1,38 mg/l/48h Specie: *Daphnia magna* (Water flea) - Provasemistatica



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EC50 - for Algae / Aquatic Plants

Metodo: OECD TG 202

2,6 mg/l/72h Specie: Desmodesmus subspicatus (alga verde) - Prova statica

Metodo: OECD TG201

Cetrimonium chloride

LC50 - for Fish

> 0,1 mg/l/96h

EC50 - for Crustacea

> 0,1 mg/l/48h

EC50 - for Algae / Aquatic Plants

> 0,1 mg/l/72h

α -hexylcinnamaldehyde

LC50 - for Fish

2,36 mg/l/96h

Tetradecanol

LC50 - for Fish

> 1 mg/l/96h

EC50 - for Crustacea

3,2 mg/l/48h

EC50 - for Algae / Aquatic Plants

> 10 mg/l/72h

Chronic NOEC for Crustacea

0,0016 mg/l/21d

Alcohols, C16-18

LC50 - for Fish

> 10 mg/l/96h Carassius Auratus

EC50 - for Crustacea

> 10 mg/l/48h Dafnie

12.2. Persistence and degradability

Tetradecanol

Rapidly degradable

Alcohols, C16-18

Rapidly degradable

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations



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13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable



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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 3

Acute toxicity, category 3

Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1C	Skin corrosion, category 1C
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H311	Toxic in contact with skin.
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation



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- WGK: Water hazard classes (German).

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 05446
Product name: OMB CLAY BLONDE 400g

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Bleaching powder for hair (for cosmetic use)

1.3. Details of the supplier of the safety data sheet

Name: G.V.F.-GIVIEFFE S.p.A.
Full address: Via Giovanni Falcone,8
District and Country: 20080 Vernate (MI)
Italy
Tel. +39 02 90093743
Fax +39 02 90093740

e-mail address of the competent person responsible for the Safety Data Sheet: sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to

In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-

OMB CLAY BLONDE 400g**2.2. Label elements**

Hazard pictograms:

-

Hazard statements:

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

Precautionary statements:

P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P264	Wash . . . thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER / doctor / . . .
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Contains:	DISODIUM METASILICATE DIPOTASSIUM PEROXODISULPHATE AMMONIUM PEROXYDISULPHATE TRISODIUM PHOSPHATE
------------------	---

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients**3.1. Substances**

Information not relevant

3.2. Mixtures

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Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
DIPOTASSIUM PEROXODISULPHATE CAS 7727-21-1 EC 231-781-8 INDEX 016-061-00-1 Reg. no. 01-2119495676-19-0000	$25 \leq x < 50$	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
TRISODIUM PHOSPHATE CAS 10101-89-0 EC 231-509-8 INDEX -	$5 \leq x < 10$	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
DISODIUM METASILICATE CAS 6834-92-0 EC 229-912-9 INDEX 014-010-00-8 Reg. no. 01-2119449811-37-xxxx	$3 \leq x < 5$	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335
AMMONIUM PEROXYDISULPHATE CAS 7727-54-0 EC 231-786-5 INDEX 016-060-00-6 Reg. no. 01-2119495973-19-0000	$1 \leq x < 5$	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
MINERAL OIL CAS 8042-47-5 EC 232-455-8 INDEX - Reg. no. 01-2119487078-27-0000	$1 \leq x < 5$	Asp. Tox. 1 H304

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed



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Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If the product is flammable, use explosion-proof equipment. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections



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Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP

España

INSHT - Límites de exposición profesional para agentes químicos en España 2017

TLV-ACGIH

ACGIH 2017

DIPOTASSIUM PEROXODISULPHATE

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic



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Oral	30 mg/kg bw/d			9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3	590 mg/m3	2,06 mg/m3	2,06 mg/m3	
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18.2 mg/kg bw/d

AMMONIUM PEROXYDISULPHATE

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm

VLA

ESP 0,1

TLV-ACGIH

0,1

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0763	mg/
Normal value in marine water	0,011	mg/
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/
Normal value of STP microorganisms	3,6	mg/
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral	30 mg/kg bw/d			9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3	590 mg/m3	2,06 mg/m3	2,06 mg/m3	
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

DISODIUM METASILICATE

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral				0,74 mg/kg bw/d				
Inhalation				1,55 mg/m3		6,22		6,22 mg/m3
Skin				0,74 mg/kg bw/d				1,49 mg/kg bw/d

MINERAL OIL

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm

TLV-ACGIH

5

Health - Derived no-effect level - DNEL / DMEL



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Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral			VND	40 mg/kg bw/d				
Inhalation			VND	35 mg/m3			VND	160 mg/m3
Skin			VND	220 mg/kg bw/d			VND	220 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Appearance	powder
Colour	off white
Odour	characteristic
Odour threshold	Not available
pH	9,6-10,6
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	partially soluble
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity
10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

DISODIUM METASILICATE

The aqueous solutions act as: strong bases.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The powders are potentially explosive when mixed with air.

DISODIUM METASILICATE

May react dangerously with: fluorine,lithium.

10.4. Conditions to avoid

Avoid environmental dust build-up.

10.5. Incompatible materials



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DISODIUM METASILICATE

The aqueous solution is incompatible with: acids, organic anhydrides, acrilates, alcohols, aldehydes, alkyl oxides, cresoles, caprolactam, epichlorohydrin, ethylene dichloride, glycols, isocyanates, ketones, nitrates, phenols, vinyl acetate.

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available Information

on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component)

LD50 (Oral) of the mixture: 1843,39 mg/kg

LD50 (Dermal) of the mixture: Not classified (no significant component)

TRISODIUM PHOSPHATE

LD50 (Oral) > 2000 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 0,83 mg/l

DIPOTASSIUM PEROXODISULPHATE



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LD50 (Oral) 1130 mg/kg (ratto)

LD50 (Dermal) > 10000 mg/kg (coniglio)

LC50 (Inhalation) > 42,9 mg/l (ratto)

DISODIUM METASILICATE

LD50 (Oral) 1152 mg/kg bw (Ratto)

LD50 (Dermal) > 5000 mg/kg bw (Ratto)

LC50 (Inhalation) > 2,06 g/m³ (Ratto)

AMMONIUM PEROXYDISULPHATE

LD50 (Oral) 272 mg/kg Rat

LD50 (Dermal) > 2000 mg/kg Rat

LC50 (Inhalation) > 5,1 mg/l/4h Rat

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skinSensitising for the respiratory system

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation

STOT - REPEATED EXPOSURE



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Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

MINERAL OIL

EC50 - for Crustacea	100 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	100 mg/l/72h Pseudokirchneriella subcapitata

TRISODIUM PHOSPHATE

LC50 - for Fish	> 100 mg/l/96h (Oncorhynchus mykiss - Trota iridea) Linee Guida 203 per il Test dell'OECD
EC50 - for Crustacea	> 100 mg/l/48h (Daphnia magna - Pulce d'acqua grande) OECD TG 202
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h (Desmodesmus subspicatus - alga verde) OECD TG 201

DIPOTASSIUM PEROXODISULPHATE

LC50 - for Fish	107,6 mg/l/96h Scophthalmus maximus
EC50 - for Crustacea	120 mg/l/48h (daphnia)
EC50 - for Algae / Aquatic Plants	320 mg/l/72h Phaeodactylum

DISODIUM METASILICATE

LC50 - for Fish	1108 mg/l/96h (Brachydanio rerio)
EC50 - for Crustacea	1700 mg/l/48h (Daphnia magna)
EC50 - for Algae / Aquatic Plants	207 mg/l/72h (Schedoesmus subspicatus)

AMMONIUM PEROXYDISULPHATE

LC50 - for Fish	107,6 mg/l/96h Scophthalmus maximus
EC50 - for Crustacea	120 mg/l/48h (Daphnia magna)
EC50 - for Algae / Aquatic Plants	320 mg/l/72h Phaeodactylum
EC10 for Algae / Aquatic Plants	36 mg/l/72h Pseudomonas putida

12.2. Persistence and degradability

DIPOTASSIUM PEROXODISULPHATE



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Rapidly degradable

DISODIUM METASILICATE

Solubility in water 210000 mg/l

Degradability: information not available

AMMONIUM PEROXYDISULPHATE

Solubility in water > 10000 mg/l

Degradability: information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable



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14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance

Point	65	AMMONIUM PEROXYDISULPHA TE Reg. no.: 01- 2119495973-19-0000
Point	65	AMMONIUM DIHYDROGEN PHOSPHATE

Substances in Candidate List (Art. 59 REACH)



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On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None ____

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Sol. 3	Oxidising solid, category 3
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.



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H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

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 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website



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- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



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OMB SILKY BLONDE 500g

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 05444
Product name: OMB SILKY BLONDE 500g

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Bleaching paste for hair (for cosmetic use)

1.3. Details of the supplier of the safety data sheet

Name: G.V.F. – GIVIEFFE S.p.A.
Full address: Via Giovanni Falcone,8
District and Country: 20080 Vernate (MI)
Italy
Tel. +39 02 90093743
Fax +39 02 90093740

e-mail address of the competent person responsible for the Safety Data Sheet: sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to: In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-



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2.2. Label elements

Hazard pictograms:

-

Hazard statements:

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep away from clothing and other combustible materials.
P264	Wash . . . thoroughly after handling.
P280	Wear protective gloves / clothing and eye / face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P370+P378	In case of fire: use . . . to extinguish.

Contains:	DISODIUM METASILICATE DIPOTASSIUM PEROXODISULPHATE AMMONIUM PEROXYDISULPHATE
------------------	--

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

OMB SILKY BLONDE 500g

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Identification
x = Conc. %
Classification 1272/2008 (CLP)
DIPOTASSIUM PEROXODISULPHATE

CAS 7727-21-1

 $25 \leq x < 50$

Ox. Sol. 3 H272, Acute Tox. 4
H302, Eye Irrit. 2 H319, Skin
Irrit. 2 H315, STOT SE 3
H335, Resp. Sens. 1 H334,
Skin Sens. 1 H317

EC 231-781-8

INDEX 016-061-00-1

Reg. no. 01-2119495676-19-0000

DISODIUM METASILICATE

CAS 6834-92-0

 $10 \leq x < 25$

Met. Corr. 1 H290, Skin Corr.
1B H314, STOT SE 3 H335

EC 229-912-9

INDEX 014-010-00-8

Reg. no. 01-2119449811-37-xxxx

AMMONIUM PEROXYDISULPHATE

CAS 7727-54-0

 $1 \leq x < 5$

Ox. Sol. 3 H272, Acute Tox. 4
H302, Eye Irrit. 2 H319, Skin
Irrit. 2 H315, STOT SE 3
H335, Resp. Sens. 1 H334,
Skin Sens. 1 H317

EC 231-786-5

INDEX 016-060-00-6

Reg. no. 01-2119495973-19-0000

SECTION 4. First aid measures
4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

For symptoms and effects caused by the contained substances, see section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water.

Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.



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6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
	TLV-ACGIH	ACGIH 2016

DIPOTASSIUM PEROXODISULPHATE

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Chronic systemic	Effects on workers		Chronic local	Chronic systemic
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic		

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Oral		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

DISODIUM METASILICATE
Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,74 mg/kg bw/d				
Inhalation				1,55 mg/m3		6,22		6,22 mg/m3
Skin				0,74 mg/kg bw/d				1,49 mg/kg bw/d

AMMONIUM PEROXYDISULPHATE
Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLA	ESP	0,1			
TLV-ACGIH		0,1			

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.



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HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	paste
Colour	light blue
Odour	characteristic
Odour threshold	Not available
pH	9,3-10,3
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available



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Oxidising properties

Not available

9.2. Other information

SECTION 10. Stability and reactivity

10.1. Reactivity

DISODIUM METASILICATE

The aqueous solutions act as: strong bases.

10.2. Chemical stability

Information not available

10.3. Possibility of hazardous reactions

The product may react violently with water.

DISODIUM METASILICATE

May react dangerously with: fluorine,lithium.

10.4. Conditions to avoid

Avoid overheating. Prevent moisture or water from penetrating inside the containers.

10.5. Incompatible materials

DISODIUM METASILICATE

The aqueous solution is incompatible with: acids,organic anhydrides,acrilates,alcohols,aldehydes,alkyl oxides,cresoles,caprolactam,epichlorohydrin,ethylene dichloride,glycols,isocyanates,ketones,nitrates,phenoles,vinyl acetate.

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ACUTE TOXICITY

LC50 (Inhalation - vapours) of the mixture:LC50 (Inhalation - vapours) of the mixture:

Not classified (no significant component)

LC50 (Inhalation - mists / powders) of the mixture:LC50 (Inhalation - mists / powders) of the mixture:

Not classified (no significant component)

LD50 (Oral) of the mixture:LD50 (Oral) of the mixture:

1843 mg/kg

LD50 (Dermal) of the mixture:LD50 (Dermal) of the mixture:

Not classified (no significant component)

DIPOTASSIUM PEROXODISULPHATE

LD50 (Oral)LD50 (Oral)

1130 mg/kg (ratto)

LD50 (Dermal)LD50 (Dermal)

> 10000 mg/kg (coniglio)

LC50 (Inhalation)LC50 (Inhalation)

> 42,9 mg/l (ratto)

DISODIUM METASILICATE

LD50 (Oral)LD50 (Oral)

1152 mg/kg bw (Ratto)

LD50 (Dermal)LD50 (Dermal)

> 5000 mg/kg bw (Ratto)

LC50 (Inhalation)LC50 (Inhalation)

> 2,06 g/m3 (Ratto)

AMMONIUM PEROXYDISULPHATE

LD50 (Oral)LD50 (Oral)

272 mg/kg Rat

LD50 (Dermal)LD50 (Dermal)

> 2000 mg/kg Rat

LC50 (Inhalation)LC50 (Inhalation)

> 5,1 mg/l/4h Rat

SKIN CORROSION / IRRITATIONCorrosive for the skinCorrosive for the skin

SERIOUS EYE DAMAGE / IRRITATIONCauses serious eye damageCauses serious eye damage

RESPIRATORY OR SKIN SENSITISATIONSensitising for the skinSensitising for the skin

GERM CELL MUTAGENICITYDoes not meet the classification criteria for this hazard classDoes not meet the classification criteria for this hazard class

CARCINOGENICITYDoes not meet the classification criteria for this hazard classDoes not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITYDoes not meet the classification criteria for this hazard classDoes not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSUREMay cause respiratory irritationMay cause respiratory irritation

STOT - REPEATED EXPOSURE Does not meet the classification criteria for this hazard class Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD Does not meet the classification criteria for this hazard class Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

DIPOTASSIUM PEROXODISULPHATE

LC50 - for Fish 107,6 mg/l/96h *Scophthalmus maximus*

EC50 - for Crustacea 120 mg/l/48h (*daphnia*)

EC50 - for Algae / Aquatic Plants 320 mg/l/72h *Phaeodactylum*

DISODIUM METASILICATE

LC50 - for Fish 1108 mg/l/96h (*Brachydanio rerio*)

EC50 - for Crustacea 1700 mg/l/48h (*Daphnia magna*)

EC50 - for Algae / Aquatic Plants 207 mg/l/72h (*Schenedesmus subspicatus*)

AMMONIUM PEROXYDISULPHATE

LC50 - for Fish 107,6 mg/l/96h *Scophthalmus maximus*

EC50 - for Crustacea 120 mg/l/48h (*Daphnia magna*)

EC50 - for Algae / Aquatic Plants 320 mg/l/72h *Phaeodactylum*

EC10 for Algae / Aquatic Plants 36 mg/l/72h *Pseudomonas putida*

12.2. Persistence and degradability

Dipotassium
peroxodisulphate
Rapidly biodegradable

DISODIUM METASILICATE

Solubility in water 210000 mg/l

Biodegradability: Information not available

AMMONIUM PEROXYDISULPHATE

Solubility in water > 10000 mg/l

Biodegradability: Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations
13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information
14.1. UN number

ADR / RID, IMDG, 3085

IATA:

ADR exemption because compliance with section 14.6:


14.2. UN proper shipping name

ADR / RID:	OXIDIZING SOLID, CORROSIVE, N.O.S.
IMDG:	OXIDIZING SOLID, CORROSIVE, N.O.S.
IATA:	OXIDIZING SOLID, CORROSIVE,

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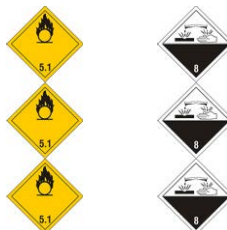
N.O.S.

14.3. Transport hazard class(es)

ADR / RID: Class: 5.1 Label: 5.1 (8)

IMDG: Class: 5.1 Label: 5.1 (8)

IATA: Class: 5.1 Label: 5.1 (8)


14.4. Packing group

ADR / RID, IMDG, III
IATA:

14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 58

Limited
Quantities: 5
kg

Tunnel
restriction
code: (E)

IMDG: Special Provision: -

EMS: F-A, S-Q

Limited
Quantities: 5
kg

IATA: Cargo:

Maximum
quantity: 100
Kg

Packaging
instructions:
563

Pass.:

Maximum
quantity: 25
Kg

Packaging
instructions:
559

Special Instructions:

A3

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: P8



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Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Contained substance

Point 65 AMMONIUM
PEROXYDISULPHA
TE Reg. no.: 01-
2119495973-19-0000

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None ____

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Sol. 2 Oxidising solid, category 2
Ox. Sol. 3 Oxidising solid, category 3
Met. Corr. 1 Substance or mixture corrosive to metals, category 1
Acute Tox. 4 Acute toxicity, category 4



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Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament



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- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking.

1.1. Product identifier.

Code: 05445
Product name: OMB ICONIC BLONDE 500g

1.2. Relevant identified uses of the substance or mixture and uses advised against.

Intended use: Bleaching powder for hair (for cosmetic use)

1.3. Details of the supplier of the safety data sheet.

Name: G.V.F. – GIVIEFFE S.p.A.
Full address: Via Giovanni Falcone, 8
District and Country: 20080 Vernate (MI)
Italy
Tel. +39 02 90093743
Fax. +39 02 90093740

e-mail address of the competent person.
responsible for the Safety Data Sheet.

sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number.

For urgent inquiries refer to.

In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-



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2.2. Label elements.

Hazard pictograms:

-

Hazard statements:

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep / Store away from clothing / . . . / combustible materials.
P264	Wash . . . thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P370+P378	In case of fire: use . . . to extinguish.

Contains:	SODIUM SILICATE DISODIUM METASILICATE DIPOTASSIUM PEROXODISULPHATE AMMONIUM PEROXYDISULPHATE
------------------	---

2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Identification.

Classification 1272/2008 (CLP).

DIPOTASSIUM PEROXODISULPHATE

CAS. 7727-21-1

$10 \leq x < 25$

Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317

EC. 231-781-8

INDEX. 016-061-00-1

Reg. no. 01-2119495676-19-0000

AMMONIUM PEROXYDISULPHATE

CAS. 7727-54-0

$25 \leq x < 50$

Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317

EC. 231-786-5

INDEX. 016-060-00-6

Reg. no. 01-2119495973-19-0000

SODIUM SILICATE

CAS. 1344-09-8

$25 \leq x < 50$

Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335

EC. 215-687-4

INDEX. -

Reg. no. 01-2119448725-31-0011

DISODIUM METASILICATE

CAS. 6834-92-0

$1 \leq x < 5$

Met. Corr. 1 H290, Skin Corr. 1B H314, STOT SE 3 H335

EC. 229-912-9

INDEX. 014-010-00-8

Reg. no. 01-2119449811-37-xxxx

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.



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4.2. Most important symptoms and effects, both acute and delayed.

Specific information on symptoms and effects caused by the product are unknown.
For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water.

Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.



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6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product and place it in containers for recovery or disposal. If the product is flammable, use explosion-proof equipment. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
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OMB ICONIC BLONDE 500g

TLV-ACGIH

ACGIH 2016

DIPOTASSIUM PEROXODISULPHATE

Predicted no-effect concentration - PNEC.

Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers.				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation.	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin.	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

AMMONIUM PEROXYDISULPHATE
Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLA	ESP	0,1			
TLV-ACGIH		0,1			

Predicted no-effect concentration - PNEC.

Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers.				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation.	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin.	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

SODIUM SILICATE

Predicted no-effect concentration - PNEC.

Normal value in fresh water	7,5	mg/l
Normal value for marine water sediment	1	mg/l
Normal value for water, intermittent release	7,5	mg/l
Normal value of STP microorganisms	348	mg/l

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers.				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	0,80 mg/kg bw/d				
Inhalation.			VND	1,38 mg/m3			VND	5,61 mg/m3
Skin.			VND	0,8 mg/kg bw/d			VND	1,59 mg/kg bw/d



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DISODIUM METASILICATE

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers.		Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local
Oral.				0,74 mg/kg bw/d			
Inhalation.				1,55 mg/m3		6,22	6,22 mg/m3
Skin.				0,74 mg/kg bw/d			1,49 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374). Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION

Use a type P filtering facemask (see standard EN 149) or equivalent device, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

OMB ICONIC BLONDE 500g

9.1. Information on basic physical and chemical properties.

Appearance	powder
Colour	blue
Odour	characteristic
Odour threshold.	Not available.
pH.	9,6-10,6
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	Not available.
Solubility	partially soluble
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

DISODIUM METASILICATE

The aqueous solutions act as: strong bases.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.



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The powders are potentially explosive when mixed with air.

DISODIUM METASILICATE

May react dangerously with: fluorine, lithium.

10.4. Conditions to avoid.

Avoid environmental dust build-up.

10.5. Incompatible materials.

DISODIUM METASILICATE

The aqueous solution is incompatible with: acids, organic anhydrides, acrilates, alcohols, aldehydes, alkyl oxides, cresoles, caprolactam, epichlorohydrin, ethylene dichloride, glycols, isocyanates, ketones, nitrates, phenols, vinyl acetate.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

ACUTE TOXICITY.

LC50 (Inhalation - vapours) of the mixture: Not classified (no significant component).

LC50 (Inhalation - mists / powders) of the mixture: Not classified (no significant component).

LD50 (Oral) of the mixture: 1061 mg/kg

LD50 (Dermal) of the mixture: Not classified (no significant component).

SODIUM SILICATE

LD50 (Oral): 3400 (rat)

LD50 (Dermal): > 5000 mg/kg (rat)

LC50 (Inhalation): > 2,06 (rat)

DIPOTASSIUM PEROXODISULPHATE

LD50 (Oral): 1130 mg/kg (ratto)

LD50 (Dermal): > 10000 mg/kg (coniglio)

LC50 (Inhalation): > 42,9 mg/l (ratto)

DISODIUM METASILICATE

LD50 (Oral): 1152 (Ratto)

LD50 (Dermal): > 5000 (Ratto)



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LC50 (Inhalation).> 2,06 (Ratto)

AMMONIUM PEROXYDISULPHATE

LD50 (Oral).272 mg/kg Rat

LD50 (Dermal).> 2000 mg/kg Rat

LC50 (Inhalation).> 5,1 mg/l/4h Rat

SKIN CORROSION / IRRITATION.

Causes skin irritation.

SERIOUS EYE DAMAGE / IRRITATION.

Causes serious eye damage.

RESPIRATORY OR SKIN SENSITISATION.

Sensitising for the skin.

GERM CELL MUTAGENICITY.

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY.

Does not meet the classification criteria for this hazard class.

REPRODUCTIVE TOXICITY.

Does not meet the classification criteria for this hazard class.

STOT - SINGLE EXPOSURE.

May cause respiratory irritation.

STOT - REPEATED EXPOSURE.

Does not meet the classification criteria for this hazard class.

ASPIRATION HAZARD.

Does not meet the classification criteria for this hazard class.

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity.

SODIUM SILICATE

LC50 - for Fish.

1108 mg/l/96h (Brachydanio rerio)

EC50 - for Crustacea.

1700 mg/l/48h (Daphnia magna)

DIPOTASSIUM
PEROXODISULPHATE

LC50 - for Fish.

107,6 mg/l/96h Scophthalmus maximus

EC50 - for Crustacea.

120 mg/l/48h (daphnia)

EC50 - for Algae / Aquatic
Plants.

320 mg/l/72h Phaeodactylum

DISODIUM METASILICATE

LC50 - for Fish.

1108 mg/l/96h (Brachydanio rerio)

EC50 - for Crustacea.

1700 mg/l/48h (Daphnia magna)

EC50 - for Algae / Aquatic
Plants.

207 mg/l/72h (Schenedesmus subspicatus)

AMMONIUM
PEROXYDISULPHATE

LC50 - for Fish.

107,6 mg/l/96h Scophthalmus maximus

EC50 - for Crustacea.

120 mg/l/48h (Daphnia magna)

EC50 - for Algae / Aquatic
Plants.

320 mg/l/72h Phaeodactylum



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EC10 for Algae / Aquatic
Plants.

36 mg/l/72h *Pseudomonas putida*

12.2. Persistence and degradability.

Dipotassium
peroxodisulphate
Rapidly biodegradable.

DISODIUM METASILICATE

Solubility in water.

210000 mg/l

Biodegradability: Information not available.

AMMONIUM
PEROXYDISULPHATE

Solubility in water.

> 10000 mg/l

Biodegradability: Information not available.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

14.1. UN number.

ADR / RID, IMDG, 1479
IATA:

ADR exemption because compliance with section 14.6:

14.2. UN proper shipping name.

ADR / RID: OXIDIZING
SOLID, N.O.S.
MIXTURE
IMDG: OXIDIZING
SOLID, N.O.S.
MIXTURE
IATA: OXIDIZING
SOLID, N.O.S.
MIXTURE



14.3. Transport hazard class(es).

ADR / RID: Class: 5.1 Label: 5.1
IMDG: Class: 5.1 Label: 5.1
IATA: Class: 5.1 Label: 5.1



14.4. Packing group.

ADR / RID, IMDG, III
IATA:

14.5. Environmental hazards.

ADR / RID: NO
IMDG: NO
IATA: NO

14.6. Special precautions for user.

ADR / RID: HIN - Kemler: 50

Limited
Quantities: 5
kg

Tunnel
restriction
code: (E)

IMDG: Special Provision: -
EMS: F-A, S-Q

Limited
Quantities: 5
kg
Maximum
quantity: 100

IATA: Cargo:

Packaging
instructions:



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Pass.:

Special Instructions:

Kg
Maximum
quantity: 25
Kg
A3

563
Packaging
instructions:
559

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code.

Information not relevant.

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso Category - Directive 2012/18/EC: P8

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Contained substance.

Point.	65	AMMONIUM PEROXYDISULPHA TE Reg. no.: 01- 2119495973-19-0000
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Substances in Candidate List (Art. 59 REACH).

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None. ____

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Sol. 3	Oxidising solid, category 3
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006



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- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
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 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
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- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



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OMB DELYBLONDE 500g

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 05447
Product name: OMB DELYBLONDE 500g

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Bleaching powder for hair (for cosmetic use)

1.3. Details of the supplier of the safety data sheet

Name: G.V.F. – GIVIEFFE S.p.A.
Full address: Via Giovanni Falcone, 8
District and Country: 20080 Vernate (MI)
Italy
Tel. +39 02 90093743
Fax +39 02 90093740

e-mail address of the competent person responsible for the Safety Data Sheet: sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to: In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-



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2.2. Label elements

Hazard pictograms:

-

Hazard statements:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

Precautionary statements:

P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P264	Wash . . . thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTRE / doctor / . . . if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Contains:	SODIUM SILICATE DIPOTASSIUM PEROXODISULPHATE
------------------	---

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
SODIUM SILICATE		
CAS 1344-09-8	$25 \leq x < 50$	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335



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EC 215-687-4

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Reg. no. 01-2119448725-31-0011

**DIPOTASSIUM
PEROXODISULPHATE**

CAS 7727-21-1

$25 \leq x < 50$

Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315,
STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317

EC 231-781-8

INDEX 016-061-00-1

Reg. no. 01-2119495676-19-0000

MINERAL OIL

CAS 8042-47-5

$1 \leq x < 5$

Asp. Tox. 1 H304

EC 232-455-8

INDEX -

Reg. no. 01-2119487078-27-0000

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the



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presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If the product is flammable, use explosion-proof equipment. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances.



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7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

TLV-ACGIH

ACGIH 2017

DIPOTASSIUM PEROXODISULPHATE

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

SODIUM SILICATE

Predicted no-effect concentration - PNEC

Normal value in fresh water	7,5	mg/l
Normal value for marine water sediment	1	mg/l
Normal value for water, intermittent release	7,5	mg/l
Normal value of STP microorganisms	348	mg/l

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral			VND	0,80 mg/kg bw/d				
Inhalation			VND	1,38 mg/m3			VND	5,61 mg/m3
Skin			VND	0,8 mg/kg bw/d			VND	1,59 mg/kg bw/d

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MINERAL OIL
Threshold Limit Value

Type	Country	TWA/8h	STEL/15min				
		mg/m3	ppm	mg/m3	ppm		

TLV-ACGIH

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Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral			VND	40 mg/kg bw/d				
Inhalation			VND	35 mg/m3			VND	160 mg/m3
Skin			VND	220 mg/kg bw/d			VND	220 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with

environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	powder
Colour	white
Odour	characteristic
Odour threshold	Not available
pH	10,80 - 11,45
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The powders are potentially explosive when mixed with air.

10.4. Conditions to avoid

Avoid environmental dust build-up.

10.5. Incompatible materials



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Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available. Information

on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component)
LD50 (Oral) of the mixture: >2000 mg/kg
LD50 (Dermal) of the mixture: Not classified (no significant component)

SODIUM SILICATE

LD50 (Oral) 3400 mg/kg (rat)

LD50 (Dermal) > 5000 mg/kg (rat)

LC50 (Inhalation) > 2,06 g/m³ (rat)

DIPOTASSIUM PEROXODISULPHATE

LD50 (Oral) 1130 mg/kg (ratto)



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LD50 (Dermal) > 10000 mg/kg (coniglio)

LC50 (Inhalation) > 42,9 mg/l (ratto)

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skinSensitising for the respiratory system

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

MINERAL OIL

EC50 - for Crustacea

100 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

100 mg/l/72h Pseudokirchneriella subcapitata



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SODIUM SILICATE

LC50 - for Fish

1108 mg/l/96h (Brachydanio rerio)

EC50 - for Crustacea

1700 mg/l/48h (Daphnia magna)

DIPOTASSIUM PEROXODISULPHATE

LC50 - for Fish

107,6 mg/l/96h *Scophthalmus maximus*

EC50 - for Crustacea

120 mg/l/48h (daphnia)

EC50 - for Algae / Aquatic Plants

320 mg/l/72h *Phaeodactylum*

12.2. Persistence and degradability

DIPOTASSIUM PEROXODISULPHATE

Rapidly degradable

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name



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Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)



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None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None ____

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Sol. 3	Oxidising solid, category 3
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road



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- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
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 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
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 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

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The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



G.V.F. – GIVIEFFE S.p.A.

Revision nr. 1

Dated 10/12/2018

First compilation

Printed on 10/12/2018

OMB BLONDE TONER ROSE GOLD 60ml

Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:

08155

Product name

OMB BLONDE TONER ROSE GOLD 60 ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

Hair dye for cosmetic use

1.3. Details of the supplier of the safety data sheet

Name

G.V.F. – GIVIEFFE S.P.A.

Full address

Via Giovanni Falcone, 8

District and Country

20080 Vernate (MI)

Italy

tel. 02 90093743

fax 02 90093740

e-mail address of the competent person

responsible for the Safety Data Sheet

sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to

In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-

2.2. Label elements



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Hazard pictograms:

-

Hazard statements:

EUH031 Contact with acids liberates toxic gas.
EUH208 Contains: 4-amino-m-cresol
May produce an allergic reaction.

Precautionary statements:

P102 Keep out of reach of children.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents / container in accordance with local/regional/national/international regulations

Contains: ETHANOLAMINE
2,2'-(octadec-9-enylimino)bisethanol
4-amino-m-cresol

Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Alcohols, C16-18, ethoxylated		
CAS 68439-49-6	5 ≤ x < 6	Aquatic Chronic 2 H411
EC 500-212-8		
INDEX -		

Alcohols, C16-18, ethoxylated

CAS 68439-49-6 $5 \leq x < 6$ Eye Irrit. 2 H319

EC

INDEX -

1,2-PROPANEDIOL

CAS 57-55-6 $4,5 \leq x < 5$

EC 200-338-0

INDEX -

ETHANOLAMINE

CAS 141-43-5 $4,5 \leq x < 5$ Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412

EC 205-483-3

INDEX 603-030-00-8

2,2'-(octadec-9-enylimino)bisethanol

CAS 25307-17-9 $1,5 \leq x < 2$ Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1

EC 246-807-3

INDEX -

Reg. no. 01-2119510876-35-xxxx

4-amino-m-cresol

CAS 2835-99-6 $0,15 \leq x < 0,2$ Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 220-621-2

INDEX -

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media



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SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any



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incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

1,2-PROPANEDIOL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	GBR	474	150		

ETHANOLAMINE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	2,5	1	7,5	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.



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HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid emulsion (visual)
Colour	From white to straw yellow (visual)
Odour	Characteristic (olfactive)
Odour threshold	Not available
pH	10,80 – 11,20 (pH meter METTLER)
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C (calculation method)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	50000 – 75000 cps (BROOKFIELD RV gir HS95 50 rpm)
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information



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VOC (Directive 2010/75/EC) : 9,97 %
VOC (volatile carbon) : 4,32 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

1,2-PROPANEDIOL

Hygroscopic. Stable in normal conditions of use and storage.

At high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

1,2-PROPANEDIOL

May react dangerously with: acid chlorides, acid anhydrides, oxidising agents.

ETHANOLAMINE

ETHANOLAMINE: can react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong mineral acids, vinyl acetate, cellulose nitrate.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

ETHANOLAMINE

ETHANOLAMINE: avoid exposure to air and sources of heat.

10.5. Incompatible materials

ETHANOLAMINE

ETHANOLAMINE: iron, strong acids and strong oxidising agents.

10.6. Hazardous decomposition products

1,2-PROPANEDIOL



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May develop: carbon oxides.

ETHANOLAMINE

ETHANOLAMINE: nitrogen oxides, carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Dermal) of the mixture:

>2000 mg/kg

1,2-PROPANEDIOL

LD50 (Oral) 20800 mg/kg Rat

LD50 (Dermal) 20800 mg/kg Rat

ETHANOLAMINE



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LD50 (Oral) > 1089 mg/kg rat

LD50 (Dermal) > 2504 mg/kg rabbit

LC50 (Inhalation) > 1,48 mg/l/4h

Alcohols, C16-18, ethoxylated

LD50 (Oral) > 2000 mg/kg

2,2'-(octadec-9-enylimino)bisethanol

LD50 (Oral) > 2000 mg/kg rat

4-amino-m-cresol

LD50 (Oral) 1200 mg/kg rat

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction. Contains: 4-amino-m-cresol

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation

STOT - REPEATED EXPOSURE



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Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity

ETHANOLAMINE

LC50 - for Fish	> 394 mg/l/96h <i>Cyprinus carpio</i>
EC50 - for Crustacea	> 65 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	2,5 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
Chronic NOEC for Fish	3,6 mg/l <i>Oryzias latipes</i>
Chronic NOEC for Crustacea	0,85 mg/l <i>Daphnia magna</i>
Chronic NOEC for Algae / Aquatic Plants	> 1 mg/l <i>Selenastrum capricornutum</i>

Alcohols, C16-18, ethoxylated

LC50 - for Fish	< 10 mg/l/96h
-----------------	---------------

2,2'-(octadec-9-enylimino)bisethanol

LC50 - for Fish	> 1 mg/l/96h <i>Danio rerio</i>
EC50 - for Crustacea	> 0,01 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
EC10 for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>

4-amino-m-cresol

LC50 - for Fish	0,94 mg/l/96h <i>Brachydanio rerio</i>
EC50 - for Crustacea	0,74 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	5,36 mg/l/72h

12.2. Persistence and degradability

1,2-PROPANEDIOL

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

ETHANOLAMINE

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

12.3. Bioaccumulative potential



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1,2-PROPANEDIOL

Partition coefficient: n-octanol/water

-1,07

BCF

0,09

ETHANOLAMINE

Partition coefficient: n-octanol/water

-2,3

12.4. Mobility in soil

1,2-PROPANEDIOL

Partition coefficient: soil/water

0,46

ETHANOLAMINE

Partition coefficient: soil/water

-0,5646

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name



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Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)



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None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.



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H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and



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thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



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Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 08156
Product name: OMB BLONDE TONER CAMEL 60ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Hair dye for cosmetic use

1.3. Details of the supplier of the safety data sheet

Name: G.V.F. – GIVIEFFE S.P.A.
Full address: Via Giovanni Falcone, 8
District and Country: 20080 Vernate (MI)
Italy
tel. 02 90093743
fax 02 90093740
e-mail address of the competent person responsible for the Safety Data Sheet: sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to: In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-

2.2. Label elements



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Hazard pictograms:

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Hazard statements:

EUH031 Contact with acids liberates toxic gas.
EUH208 Contains: 2-methylresorcinol
May produce an allergic reaction.

Precautionary statements:

P102 Keep out of reach of children.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents / container in accordance with local/regional/national/international regulations

Contains: ETHANOLAMINE
2,2'-(octadec-9-enylimino)bisethanol
2-methylresorcinol

Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Alcohols, C16-18, ethoxylated		
CAS 68439-49-6	$5 \leq x < 6$	Aquatic Chronic 2 H411
EC 500-212-8		
INDEX -		

Alcohols, C16-18, ethoxylated

CAS 68439-49-6 $5 \leq x < 6$ Eye Irrit. 2 H319

EC

INDEX -

1,2-PROPANEDIOL

CAS 57-55-6 $4,5 \leq x < 5$

EC 200-338-0

INDEX -

ETHANOLAMINE

CAS 141-43-5 $4,5 \leq x < 5$ Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412

EC 205-483-3

INDEX 603-030-00-8

2,2'-(octadec-9-enylimino)bisethanol

CAS 25307-17-9 $1,5 \leq x < 2$ Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1

EC 246-807-3

INDEX -

Reg. no. 01-2119510876-35-xxxx

2-methylresorcinol

CAS 608-25-3 $0,1 \leq x < 0,15$ Acute Tox. 3 H301, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1B H317

EC 210-155-8

INDEX -

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media



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SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any



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incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

1,2-PROPANEDIOL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m ³	ppm	mg/m ³	ppm
WEL	GBR	474	150		

ETHANOLAMINE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m ³	ppm	mg/m ³	ppm	
VLA	ESP	2,5	1	7,5	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.



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HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid emulsion (visual)
Colour	From white to straw yellow (visual)
Odour	Characteristic (olfactive)
Odour threshold	Not available
pH	10,80 – 11,20 (pH meter METTLER)
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C (calculation method)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	50000 – 75000 cps (BROOKFIELD RV gir HS95 50 rpm)
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information



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VOC (Directive 2010/75/EC) : 9,97 %
VOC (volatile carbon) : 4,32 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

1,2-PROPANEDIOL

Hygroscopic. Stable in normal conditions of use and storage.

At high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

1,2-PROPANEDIOL

May react dangerously with: acid chlorides, acid anhydrides, oxidising agents.

ETHANOLAMINE

ETHANOLAMINE: can react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong mineral acids, vinyl acetate, cellulose nitrate.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

ETHANOLAMINE

ETHANOLAMINE: avoid exposure to air and sources of heat.

10.5. Incompatible materials

ETHANOLAMINE

ETHANOLAMINE: iron, strong acids and strong oxidising agents.

10.6. Hazardous decomposition products

1,2-PROPANEDIOL



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May develop: carbon oxides.

ETHANOLAMINE

ETHANOLAMINE: nitrogen oxides, carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Dermal) of the mixture:

>2000 mg/kg

1,2-PROPANEDIOL

LD50 (Oral) 20800 mg/kg Rat

LD50 (Dermal) 20800 mg/kg Rat

ETHANOLAMINE



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LD50 (Oral) > 1089 mg/kg rat

LD50 (Dermal) > 2504 mg/kg rabbit

LC50 (Inhalation) > 1,48 mg/l/4h

Alcohols, C16-18, ethoxylated

LD50 (Oral) > 2000 mg/kg

2,2'-(octadec-9-enylimino)bisethanol

LD50 (Oral) > 2000 mg/kg rat

2-methylresorcinol

LD50 (Oral) 200 mg/kg mouse

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction. Contains: 2-methylresorcinol

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation

STOT - REPEATED EXPOSURE



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Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity

ETHANOLAMINE

LC50 - for Fish	> 394 mg/l/96h <i>Cyprinus carpio</i>
EC50 - for Crustacea	> 65 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	2,5 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
Chronic NOEC for Fish	3,6 mg/l <i>Oryzias latipes</i>
Chronic NOEC for Crustacea	0,85 mg/l <i>Daphnia magna</i>
Chronic NOEC for Algae / Aquatic Plants	> 1 mg/l <i>Selenastrum capricornutum</i>

Alcohols, C16-18, ethoxylated

LC50 - for Fish	< 10 mg/l/96h
-----------------	---------------

2,2'-(octadec-9-enylimino)bisethanol

LC50 - for Fish	> 1 mg/l/96h <i>Danio rerio</i>
EC50 - for Crustacea	> 0,01 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
EC10 for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>

12.2. Persistence and degradability

1,2-PROPANEDIOL

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

ETHANOLAMINE

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

12.3. Bioaccumulative potential

1,2-PROPANEDIOL

Partition coefficient: n-octanol/water	-1,07
BCF	0,09



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ETHANOLAMINE

Partition coefficient: n-octanol/water

-2,3

12.4. Mobility in soil

1,2-PROPANEDIOL

Partition coefficient: soil/water

0,46

ETHANOLAMINE

Partition coefficient: soil/water

-0,5646

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.


14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

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Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

<u>Product</u>	
Point	3

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:



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None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.



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EUH031

Contact with acids liberates toxic gas.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



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Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 08157
Product name: OMB BLONDE TONER DENIM 60ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Hair dye for cosmetic use

1.3. Details of the supplier of the safety data sheet

Name: G.V.F. – GIVIEFFE S.P.A.
Full address: Via Giovanni Falcone, 8
District and Country: 20080 Vernate (MI)
Italy
tel. 02 90093743
fax 02 90093740
e-mail address of the competent person responsible for the Safety Data Sheet: sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to: In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-

2.2. Label elements



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Hazard pictograms:

Hazard statements:

EUH031
EUH208

Contact with acids liberates toxic gas.
Contains: 5-amino-o-cresol, (p-ammoniophenyl)bis(2-hydroxyethyl)ammonium sulphate
May produce an allergic reaction.

Precautionary statements:

P102
P260
P301+P330+P331
P303+P361+P353
P305+P351+P338

Keep out of reach of children.
Do not breathe dust / fume / gas / mist / vapours / spray.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Dispose of contents / container in accordance with local/regional/national/international regulations

P501

Contains:

ETHANOLAMINE
2,2'-(octadec-9-enylimino)bisethanol
5-amino-o-cresol

Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Alcohols, C16-18, ethoxylated		
CAS 68439-49-6	5 ≤ x < 6	Eye Irrit. 2 H319
EC		
INDEX -		

Alcohols, C16-18, ethoxylated

CAS 68439-49-6 $5 \leq x < 6$ Aquatic Chronic 2 H411

EC 500-212-8

INDEX -

1,2-PROPANEDIOL

CAS 57-55-6 $4,5 \leq x < 5$

EC 200-338-0

INDEX -

ETHANOLAMINE

CAS 141-43-5 $4,5 \leq x < 5$ Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412

EC 205-483-3

INDEX 603-030-00-8

2,2'-(octadec-9-enylimino)bisethanol

CAS 25307-17-9 $1,5 \leq x < 2$ Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1

EC 246-807-3

INDEX -

Reg. no. 01-2119510876-35-xxxx

(p-ammoniophenyl)bis(2-hydroxyethyl)ammonium sulphate

CAS 54381-16-7 $0,5 \leq x < 0,6$ Acute Tox. 3 H301, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317

EC 259-134-5

INDEX -

5-amino-o-cresol

CAS 2835-95-2 $0,2 \leq x < 0,25$ Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 220-618-6

INDEX -

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available



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SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

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Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

1,2-PROPANEDIOL**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	GBR	474	150		

ETHANOLAMINE**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	2,5	1	7,5	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.



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Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid emulsion (visual)
Colour	From white to straw yellow (visual)
Odour	Characteristic (olfactive)
Odour threshold	Not available
pH	10,80 – 11,20 (pH meter METTLER)
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C (calculation method)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available



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Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	50000 – 75000 cps (BROOKFIELD RV gir HS95 50 rpm)
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

VOC (Directive 2010/75/EC) :	9,97 %
VOC (volatile carbon) :	4,32 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

1,2-PROPANEDIOL

Hygroscopic. Stable in normal conditions of use and storage.

At high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

1,2-PROPANEDIOL

May react dangerously with: acid chlorides, acid anhydrides, oxidising agents.

ETHANOLAMINE

ETHANOLAMINE: can react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong mineral acids, vinyl acetate, cellulose nitrate.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

ETHANOLAMINE

ETHANOLAMINE: avoid exposure to air and sources of heat.

10.5. Incompatible materials

ETHANOLAMINE



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ETHANOLAMINE: iron, strong acids and strong oxidising agents.

10.6. Hazardous decomposition products

1,2-PROPANEDIOL

May develop: carbon oxides.

ETHANOLAMINE

ETHANOLAMINE: nitrogen oxides, carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Dermal) of the mixture:

>2000 mg/kg

1,2-PROPANEDIOL

LD50 (Oral) 20800 mg/kg Rat



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LD50 (Dermal) 20800 mg/kg Rat

ETHANOLAMINE

LD50 (Oral) > 1089 mg/kg rat

LD50 (Dermal) > 2504 mg/kg rabbit

LC50 (Inhalation) > 1,48 mg/l/4h

Alcohols, C16-18, ethoxylated

LD50 (Oral) > 2000 mg/kg

2,2'-(octadec-9-enylimino)bisethanol

LD50 (Oral) > 2000 mg/kg rat

(p-ammoniophenyl)bis(2-hydroxyethyl)ammonium sulphate

LD50 (Oral) 107 mg/kg (rat - SCCS study report)

5-amino-o-cresol

LD50 (Oral) 3600 mg/kg rat

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction. Contains: 5-amino-o-cresol
(p-ammoniophenyl)bis(2-hydroxyethyl)ammonium sulphate

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY



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Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

ETHANOLAMINE

LC50 - for Fish	> 394 mg/l/96h <i>Cyprinus carpio</i>
EC50 - for Crustacea	> 65 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	2,5 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
Chronic NOEC for Fish	3,6 mg/l <i>Oryzias latipes</i>
Chronic NOEC for Crustacea	0,85 mg/l <i>Daphnia magna</i>
Chronic NOEC for Algae / Aquatic Plants	> 1 mg/l <i>Selenastrum capricornutum</i>

Alcohols, C16-18, ethoxylated

LC50 - for Fish	< 10 mg/l/96h
-----------------	---------------

2,2'-(octadec-9-enylimino)bisethanol

LC50 - for Fish	> 1 mg/l/96h <i>Danio rerio</i>
EC50 - for Crustacea	> 0,01 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
EC10 for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>

12.2. Persistence and degradability

1,2-PROPANEDIOL

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	



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ETHANOLAMINE

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

12.3. Bioaccumulative potential

1,2-PROPANEDIOL

Partition coefficient: n-octanol/water -1,07

BCF 0,09

ETHANOLAMINE

Partition coefficient: n-octanol/water -2,3

12.4. Mobility in soil

1,2-PROPANEDIOL

Partition coefficient: soil/water 0,46

ETHANOLAMINE

Partition coefficient: soil/water -0,5646

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number



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Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


Seveso Category - Directive 2012/18/EC: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point

3

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Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.

H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)



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- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



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Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 08158
Product name: OMB BLONDE TONER SAND 60ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Hair dye for cosmetic use

1.3. Details of the supplier of the safety data sheet

Name: G.V.F. – GIVIEFFE S.P.A.
Full address: Via Giovanni Falcone, 8
District and Country: 20080 Vernate (MI)
Italy
tel. 02 90093743
fax 02 90093740
e-mail address of the competent person responsible for the Safety Data Sheet: sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to: In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.


The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-

2.2. Label elements

-

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Hazard pictograms:

-

Hazard statements:

EUH031 Contact with acids liberates toxic gas.
EUH208 Contains: 2-methyl-p-phenylenediamine sulfate
May produce an allergic reaction.

Precautionary statements:

P102 Keep out of reach of children.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents / container in accordance with local/regional/national/international regulations

Contains: ETHANOLAMINE
2,2'-(octadec-9-enylimino)bisethanol

Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Alcohols, C16-18, ethoxylated		
CAS 68439-49-6	5 ≤ x < 6	Aquatic Chronic 2 H411
EC 500-212-8		
INDEX -		
Alcohols, C16-18, ethoxylated		

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CAS 68439-49-6 EC INDEX - 1,2-PROPANEDIOL	$5 \leq x < 6$	Eye Irrit. 2 H319
CAS 57-55-6 EC 200-338-0 INDEX - ETHANOLAMINE	$4,5 \leq x < 5$	
CAS 141-43-5 EC 205-483-3 INDEX 603-030-00-8 2,2'-(octadec-9-enylimino)bisethanol	$4,5 \leq x < 5$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412
CAS 25307-17-9 EC 246-807-3 INDEX - Reg. no. 01-2119510876-35-xxxx 2-methyl-p-phenylenediamine sulfate	$1,5 \leq x < 2$	Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1
CAS 615-50-9 EC 210-431-8 INDEX -	$0,1 \leq x < 0,15$	Acute Tox. 3 H301, Acute Tox. 4 H312, Acute Tox. 4 H332, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures**4.1. Description of first aid measures**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures**5.1. Extinguishing media**



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SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any



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incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

1,2-PROPANEDIOL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	GBR	474	150		

ETHANOLAMINE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	2,5	1	7,5	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.



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HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid emulsion (visual)
Colour	From white to straw yellow (visual)
Odour	Characteristic (olfactive)
Odour threshold	Not available
pH	10,80 – 11,20 (pH meter METTLER)
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C (calculation method)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	50000 – 75000 cps (BROOKFIELD RV gir HS95 50 rpm)
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information



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VOC (Directive 2010/75/EC) : 9,97 %
VOC (volatile carbon) : 4,32 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

1,2-PROPANEDIOL

Hygroscopic. Stable in normal conditions of use and storage.

At high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

1,2-PROPANEDIOL

May react dangerously with: acid chlorides, acid anhydrides, oxidising agents.

ETHANOLAMINE

ETHANOLAMINE: can react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong mineral acids, vinyl acetate, cellulose nitrate.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

ETHANOLAMINE

ETHANOLAMINE: avoid exposure to air and sources of heat.

10.5. Incompatible materials

ETHANOLAMINE

ETHANOLAMINE: iron, strong acids and strong oxidising agents.

10.6. Hazardous decomposition products

1,2-PROPANEDIOL



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May develop: carbon oxides.

ETHANOLAMINE

ETHANOLAMINE: nitrogen oxides, carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Dermal) of the mixture:

>2000 mg/kg

1,2-PROPANEDIOL

LD50 (Oral) 20800 mg/kg Rat

LD50 (Dermal) 20800 mg/kg Rat

ETHANOLAMINE



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LD50 (Oral) > 1089 mg/kg rat

LD50 (Dermal) > 2504 mg/kg rabbit

LC50 (Inhalation) > 1,48 mg/l/4h

Alcohols, C16-18, ethoxylated

LD50 (Oral) > 2000 mg/kg

2,2'-(octadec-9-enylimino)bisethanol

LD50 (Oral) > 2000 mg/kg rat

2-methyl-p-phenylenediamine sulfate

LD50 (Oral) 102 mg/kg/bw rat - read across

LD50 (Dermal) 5000 mg/kg rabbit

LC50 (Inhalation) 1,77 mg/l/1h ND - calculated

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction. Contains: 2-methyl-p-phenylenediamine sulfate

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE



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May cause respiratory irritation

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity

ETHANOLAMINE

LC50 - for Fish	> 394 mg/l/96h <i>Cyprinus carpio</i>
EC50 - for Crustacea	> 65 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	2,5 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
Chronic NOEC for Fish	3,6 mg/l <i>Oryzias latipes</i>
Chronic NOEC for Crustacea	0,85 mg/l <i>Daphnia magna</i>
Chronic NOEC for Algae / Aquatic Plants	> 1 mg/l <i>Selenastrum capricornutum</i>

Alcohols, C16-18, ethoxylated

LC50 - for Fish	< 10 mg/l/96h
-----------------	---------------

2,2'-(octadec-9-enylimino)bisethanol

LC50 - for Fish	> 1 mg/l/96h <i>Danio rerio</i>
EC50 - for Crustacea	> 0,01 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
EC10 for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>

12.2. Persistence and degradability

1,2-PROPANEDIOL

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

ETHANOLAMINE

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

2-methyl-p-phenylenediamine sulfate

NOT rapidly degradable

12.3. Bioaccumulative potential

1,2-PROPANEDIOL

Partition coefficient: n-octanol/water -1,07

BCF 0,09

ETHANOLAMINE

Partition coefficient: n-octanol/water -2,3

12.4. Mobility in soil

1,2-PROPANEDIOL

Partition coefficient: soil/water 0,46

ETHANOLAMINE

Partition coefficient: soil/water -0,5646

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING


Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

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14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.



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Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website



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- ECHA website

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



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Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:

08159

Product name

OMB BLONDE TONER DIAMOND 60ml

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

Hair dye for cosmetic use

1.3. Details of the supplier of the safety data sheet

Name

G.V.F. – GIVIEFFE S.P.A.

Full address

Via Giovanni Falcone, 8

District and Country

20080 Vernate (MI)

Italy

tel. 02 90093743

fax 02 90093740

e-mail address of the competent person

responsible for the Safety Data Sheet

sarah.pizzolato@itelyhairfashion.it

1.4. Emergency telephone number

For urgent inquiries refer to

In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone. These telephone numbers are available 24 hours per day, 7 days per week.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

This is a cosmetic product that is safe for consumers and users under intended and reasonably foreseeable use.

The complete ingredients list is reported on the product packaging, for toxicological information about relevant substances, see section 3.

Hazard classification and indication:

-

2.2. Label elements

-



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Hazard pictograms:

-

Hazard statements:

EUH031 Contact with acids liberates toxic gas.

Precautionary statements:

P102 Keep out of reach of children.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents / container in accordance with local/regional/national/international regulations

Contains: ETHANOLAMINE
2,2'-(octadec-9-enylimino)bisethanol

Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Alcohols, C16-18, ethoxylated		
CAS 68439-49-6	$5 \leq x < 6$	Eye Irrit. 2 H319
EC		
INDEX -		
Alcohols, C16-18, ethoxylated		
CAS 68439-49-6	$5 \leq x < 6$	Aquatic Chronic 2 H411
EC 500-212-8		
INDEX -		



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1,2-PROPANEDIOL

CAS 57-55-6

$4,5 \leq x < 5$

EC 200-338-0

INDEX -

ETHANOLAMINE

CAS 141-43-5

$4,5 \leq x < 5$

Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412

EC 205-483-3

INDEX 3-030-00-8

2,2'-(octadec-9-enylimino)bisethanol

CAS 25307-17-9

$1,5 \leq x < 2$

Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1

EC 246-807-3

INDEX -

Reg. no. 01-2119510876-35-xxxx

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30- minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.



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5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters



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Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

1,2-PROPANEDIOL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	GBR	474	150		

ETHANOLAMINE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	2,5	1	7,5	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION



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Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid emulsion (visual)
Colour	From white to straw yellow (visual)
Odour	Characteristic (olfactive)
Odour threshold	Not available
pH	10,80 – 11,20 (pH meter METTLER)
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> °C (calculation method)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	50000 – 75000 cps (BROOKFIELD RV gir HS95 50 rpm)
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

VOC (Directive 2010/75/EC) :	9,97 %
VOC (volatile carbon) :	4,32 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.



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1,2-PROPANEDIOL

Hygroscopic. Stable in normal conditions of use and storage.

At high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

1,2-PROPANEDIOL

May react dangerously with: acid chlorides, acid anhydrides, oxidising agents.

ETHANOLAMINE

ETHANOLAMINE: can react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong mineral acids, vinyl acetate, cellulose nitrate.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

ETHANOLAMINE

ETHANOLAMINE: avoid exposure to air and sources of heat.

10.5. Incompatible materials

ETHANOLAMINE

ETHANOLAMINE: iron, strong acids and strong oxidising agents.

10.6. Hazardous decomposition products

1,2-PROPANEDIOL

May develop: carbon oxides.

ETHANOLAMINE

ETHANOLAMINE: nitrogen oxides, carbon oxides.



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SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Dermal) of the mixture:

>2000 mg/kg

1,2-PROPANEDIOL

LD50 (Oral) 20800 mg/kg Rat

LD50 (Dermal) 20800 mg/kg Rat

ETHANOLAMINE

LD50 (Oral) > 1089 mg/kg rat

LD50 (Dermal) > 2504 mg/kg rabbit

LC50 (Inhalation) > 1,48 mg/l/4h

Alcohols, C16-18, ethoxylated

LD50 (Oral) > 2000 mg/kg



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2,2'-(octadec-9-enylimino)bisethanol

LD50 (Oral) > 2000 mg/kg rat

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity

ETHANOLAMINE

LC50 - for Fish	> 394 mg/l/96h <i>Cyprinus carpio</i>
EC50 - for Crustacea	> 65 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	2,5 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
Chronic NOEC for Fish	3,6 mg/l <i>Oryzias latipes</i>
Chronic NOEC for Crustacea	0,85 mg/l <i>Daphnia magna</i>
Chronic NOEC for Algae / Aquatic Plants	> 1 mg/l <i>Selenastrum capricornutum</i>

Alcohols, C16-18, ethoxylated

LC50 - for Fish	< 10 mg/l/96h
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2,2'-(octadec-9-enylimino)bisethanol

LC50 - for Fish	> 1 mg/l/96h <i>Danio rerio</i>
EC50 - for Crustacea	> 0,01 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
EC10 for Algae / Aquatic Plants	> 0,01 mg/l/72h <i>Pseudokirchneriella subcapitata</i>

12.2. Persistence and degradability

1,2-PROPANEDIOL

Solubility in water	1000 - 10000 mg/l
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Rapidly degradable

ETHANOLAMINE

Solubility in water	1000 - 10000 mg/l
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Rapidly degradable

12.3. Bioaccumulative potential

1,2-PROPANEDIOL

Partition coefficient: n-octanol/water	-1,07
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BCF	0,09
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ETHANOLAMINE

Partition coefficient: n-octanol/water	-2,3
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12.4. Mobility in soil

1,2-PROPANEDIOL

Partition coefficient: soil/water	0,46
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ETHANOLAMINE

Partition coefficient: soil/water	-0,5646
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12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.



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12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards



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Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment



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No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value



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- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
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 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
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- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
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 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.