



FILA INDUSTRIA CHIMICA S.P.A.

Revision nr. 6

Dated 17/06/2019

Printed on 17/06/2019

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Replaced revision:5 (Dated: 09/02/2015)

MAX

Safety data sheet according to regulation (CE) n. 1907/2006 (REACH), Annex II, and successive adjustments introduced by Commission Regulation (EU) no. 2015/830

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

1.1. Product identifier

Product name MAX

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

Intended use cleaner-solvent for dewaxing

1.3. Details of the supplier of the safety data sheet

Name FILA INDUSTRIA CHIMICA S.P.A.
Full address Via Garibaldi, 58
District and Country 35018 San Martino di Lupari (PD)
ITALIA

Tel. +39.049.9467300

Fax +39.049.9460753

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

sds@filasolutions.com

1.4. Emergency telephone number

For urgent inquiries refer to

TEL +39.049.9467300 (Monday – Friday; 8.30 - 12.30 and 14.00 - 17.30)
UNITED KINGDOM: NHS Direct 111 (In England, Scotland North Ireland) 08454647
(Wales); IRELAND 018092166

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2	H319	Causes serious eye irritation.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements



MAX

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

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

5% or over but less than 15% aromatic hydrocarbons, soap

Linalool, perfumes, Preservation agents, Limonene

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)
Phenylmethanol		
CAS 100-51-6	$10 \leq x < 15$	Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319



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EC 202-859-9

INDEX 603-057-00-5

Reg. no. 01-2119492630-38

**SOLVENT NAPHTA
(PETROLEUM), LIGHT AROM**

CAS -

 $8 \leq x < 9,5$ Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336,
Aquatic Chronic 2 H411, EUH066

EC 918-668-5

INDEX -

Reg. no. 01-2119455851-35

2-(2-Butoxyethoxy)ethanol

CAS 112-34-5

 $4 \leq x < 5$

Eye Irrit. 2 H319

EC 203-961-6

INDEX -

Reg. no. 01-2119475104-44

Propylene glycol n-propyl ether

CAS 1569-01-3

 $3 \leq x < 4$

Flam. Liq. 3 H226, Eye Irrit. 2 H319

EC 216-372-4

INDEX -

Reg. no. 01-2119474443-37

**Alcohols, secondary C11-15,
ethoxylated**

CAS 68131-40-8

 $2 \leq x < 3$

Acute Tox. 4 H302, Eye Dam. 1 H318

EC 614-295-4

INDEX -

ETHANOLAMINE

CAS 141-43-5

 $0,8 \leq x < 0,9$ 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

Reg. no. 01-2119486455-28

**(1S)6,6-DIMETHYL-2-
METHYLENBICYCLOHEPTANE**

CAS 127-91-3

 $0 \leq x < 0,02$ Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317,
Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 204-872-5

INDEX -

Reg. no. 01-2119519230-54

Benzyl acetate

CAS 140-11-4

 $0 \leq x < 0,02$

Aquatic Chronic 3 H412

EC 205-399-7

INDEX -

Reg. no. 01-2119638272-42

**(1S)2,6,6-TRIMETHYLBICYCLO-2
HEPTENE**

CAS 7785-26-4

 $0 \leq x < 0,02$ Flam. Liq. 3 H226, Asp. Tox. 1 H304, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin
Sens. 1 H317, Aquatic Chronic 1 H410 M=1

EC 232-077-3



INDEX -

Reg. no. 01-2119979519-16

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

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

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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

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. 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. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. 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 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:

CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail 2014. / Grenzwerte am Arbeitsplatz
CZE	Česká Republika	Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
FIN	Suomi	HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveystieteiden tutkimuskeskus julkaisu 2012:5
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
HRV	Hrvatska	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva
IRL	Éire	Code of Practice Chemical Agent Regulations 2011

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ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Council of Netherlands (SER) Values, AF 2011:18
NOR	Norge	Veiledning om Administrative normer for forurensning i arbeidsatmosfære
POL	Polska	ROZPORZĄDZENIE MINISTRA RODZIN Y, PRAC Y I POLITYKI SPOŁECZNEJ z dnia 12 czerwca 2018 r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diaro da Republica I 26; 2012-02-06
ROU	România	Monitorul Oficial al României 44; 2012-01-19
SVN	Slovenija	Uradni list Republike Slovenije 04.06.2015 (1602) - Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu
SWE	Sverige	Occupational Exposure Limit Values, AF 2011:18
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

BENZYL ALCOHOL**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV	CZE	40		80	
AGW	DEU	22	5	44	10
HTP	FIN	45	10		
NDS	POL	240			
Predicted no-effect concentration - PNEC					
Normal value in fresh water				1	mg/l
Normal value in marine water				0,1	mg/l
Normal value for fresh water sediment				5,27	mg/kg
Normal value for marine water sediment				527	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers	Effects on consumers			Effects on workers				
		Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND	25 mg/kg/d							
Inhalation	VND	40,55 mg/m3				VND	450 mg/m3	VND	90 mg/m3
Skin	VND	28,5 mg/kg/d	VND	5,7 mg/kg/d	VND	47 mg/kg/d	VND	9,5 mg/kg/d	

SOLVENT NAPHTA (PETROLEUM), LIGHT AROM**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH		100	19		RCP-TWA

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers	Effects on consumers			Effects on workers				
		Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				VND	11 mg/kg/d				
Inhalation				VND	32 mg/m3			VND	150 mg/m3
Skin				VND	11 mg/kg/d			VND	25 mg/kg/d

2-(2-Butoxyethoxy)ethanol**Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min

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		mg/m3	ppm	mg/m3	ppm
MAK	DEU	67	10	100,5	15
VLA	ESP	67,5	10	101,2	15
VLEP	ITA	57,5	10	101,2	15
MV	SVN	67,5	10	101,25	15
OEL	EU	67,5	10	101,2	15

Predicted no-effect concentration - PNEC					
Normal value in fresh water				1	mg/l
Normal value in marine water				0,1	mg/l
Normal value for fresh water sediment				4	mg/kg/d
Normal value for marine water sediment				0,4	mg/kg/d
Normal value for water, intermittent release				3,9	mg/l
Normal value of STP microorganisms				200	mg/l
Normal value for the food chain (secondary poisoning)				0,56	mg/kg
Normal value for the terrestrial compartment				0,4	mg/kg/d

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	1,25 mg/kg bw/d				
Inhalation	50,6 mg/m3	34 mg/m3	VND	34 mg/m3	101,2 mg/m3	67,5 mg/m3	VND	67,5 mg/m3
Skin			VND	10 mg/kg bw/d			VND	20 mg/kg bw/d

1-propoxypropan-2-ol					
Predicted no-effect concentration - PNEC					
Normal value in fresh water				0,1	mg/l
Normal value in marine water				0,01	mg/l
Normal value for fresh water sediment				0,386	mg/kg
Normal value for marine water sediment				0,0386	mg/kg
Normal value for water, intermittent release				1	mg/l
Normal value of STP microorganisms				4	mg/l
Normal value for the terrestrial compartment				0,0185	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
Inhalation			VND	26 mg/m3			VND	217 mg/m3
Skin			VND	2,2 mg/kg/d			VND	9 mg/kg/d

ETHANOLAMINE					
Threshold Limit Value					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLE	CHE	5	2	10	4

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MAK	CHE	5	2	10	4	
TLV	CZE	2,5		7,5		SKIN
MAK	DEU	0,5	0,2	0,5	0,2	
TLV	DNK	2,5	1			SKIN
VLA	ESP	2,5	1	7,5	3	SKIN
HTP	FIN	2,5	1	7,6	3	SKIN
VLEP	FRA	2,5	1	7,6	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
TLV	GRC	2,5	1	7,6	3	
GVI	HRV	2,5	1	7,6	3	SKIN
OEL	IRL	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
OEL	NLD	2,5		7,6		SKIN
TLV	NOR	2,5	1			SKIN
NDS	POL	2,5		7,5		
VLE	PRT	2,5	1	7,6	3	SKIN
TLV	ROU	2,5	1	7,6	3	SKIN
MV	SVN	2,5	1	7,5	3	SKIN
MAK	SWE	8	3	15	6	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,085	mg/l
Normal value in marine water	0,0085	mg/l
Normal value for fresh water sediment	0,434	mg/kg
Normal value for marine water sediment	0,0434	mg/kg
Normal value for water, intermittent release	0,028	mg/l
Normal value of STP microorganisms	100	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	3,75 mg/kg/d				
Inhalation			2 mg/m3	VND			3,3 mg/m3	VND
Skin			VND	0,24 mg/kg/d			VND	1 mg/kg/d

(1S)6,6-DIMETHYL-2-METHYLENBICYCLOHEPTANE**Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm
		ppm	mg/m3
OEL	EU		20

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers				Effects on workers			
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Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation								5,98 mg/m3

**Benzyl acetate
Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm
OEL	EU		10

**(1S)2,6,6-TRIMETHYLBICYCLO-2 HEPTENE
Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm
OEL	EU		20

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
Inhalation				5,98 mg/m3				

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.

TLV of solvent mixture: 7,5 mg/m3

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 I 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

**MAX**

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	liquid
Colour	Trasparent yellowish
Odour	typical of solvent
Odour threshold	Not available
pH	12,2
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 61 °C
Evaporation Rate	Not available
Flammability of solids and gases	not applicable
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	soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	not applicable
Oxidising properties	not applicable



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9.2. Other information

VOC (Directive 2010/75/EC) : 25,61 % - 255,34 g/litre

SECTION 10. Stability and reactivity**10.1. Reactivity**

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

BENZYL ALCOHOL

Decomposes at temperatures above 870°C/1598°F. Possibility of explosion.

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.

BENZYL ALCOHOL

May react dangerously with: hydrobromic acid, iron, oxidising agents, sulphuric acid. Risk of explosion on contact with: phosphorus trichloride.

ETHANOLAMINE

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

10.4. Conditions to avoid

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

BENZYL ALCOHOL

Avoid exposure to: air, sources of heat, naked flames.

ETHANOLAMINE

Avoid exposure to: air, sources of heat.

10.5. Incompatible materials



MAX

Oxidizing agents. Strong acids and bases.

BENZYL ALCOHOL

Incompatible with: sulphuric acid, oxidising substances, aluminium.

ETHANOLAMINE

Incompatible with: iron, strong acids, strong oxidants.

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.

ETHANOLAMINE

May develop: nitric oxide, carbon oxides.

SECTION 11. Toxicological information

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:

Not classified (no significant component)

**MAX****SOLVENT NAPHTA (PETROLEUM), LIGHT AROM**

LD50 (Oral) > 3492 mg/kg rat OCSE 401

LD50 (Dermal) > 3160 mg/kg rabbit OCSE 402

LC50 (Inhalation) > 6193 mg/l/4h rat OCSE 403

1-propoxypropan-2-ol

LD50 (Oral) > 2000 mg/kg Rat

LD50 (Dermal) > 2000 mg/kg Rat

ETHANOLAMINE

LD50 (Oral) 1515 mg/kg rat male/female

LD50 (Dermal) 2504 mg/kg male rabbit

BENZYL ALCOHOL

LD50 (Oral) 1230 mg/kg Rat

LD50 (Dermal) 2000 mg/kg Rabbit

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

2-(2-Butoxyethoxy)ethanol

LD50 (Oral) 2410 mg/kg mouse

LD50 (Dermal) 2764 mg/kg rabbit

LC50 (Inhalation) > 29 mg/l/4h 2h rat

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.
Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

**MAX**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 the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity**SOLVENT NAPHTA (PETROLEUM), LIGHT AROM**

LC50 - for Fish	9,2 mg/l/96h Oncorhynchus mykiss (read across)
EC50 - for Crustacea	3,2 mg/l/48h Daphnia magna (read across)
EC50 - for Algae / Aquatic Plants	2,9 mg/l/72h EL50 Pseudokirchneriella subcapitata (read across)

1-propoxypropan-2-ol

LC50 - for Fish	> 100 mg/l/96h Rainbow Trout
EC50 - for Crustacea	> 100 mg/l/48h Daphnia Magna

ETHANOLAMINE

LC50 - for Fish	349 mg/l/96h Cyprinus carpio
EC50 - for Crustacea	65 mg/l/48h Daphnia Magna



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EC50 - for Algae / Aquatic Plants 2,1 mg/l/72h Pseudokirchnerella subcapitata
Chronic NOEC for Fish 1,24 mg/l 41d Oryzias latipes

BENZYL ALCOHOL

LC50 - for Fish 460 mg/l/96h Pimephales promelas
EC50 - for Crustacea 230 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants 770 mg/l/72h Pseudokirchnerella subcapitata

2-(2-Butoxyethoxy)ethanol

LC50 - for Fish 1300 mg/l/96h Bluegill Sunfish
EC50 - for Crustacea > 100 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants > 100 mg/l/72h Desmodesmus subspicatus

12.2. Persistence and degradability

SOLVENT NAPHTA (PETROLEUM), LIGHT AROM

Rapidly degradable
78% 28d

1-propoxypropan-2-ol

Rapidly degradable
>70% 10d

Alcohols, secondary C11-15, ethoxylated

Rapidly degradable

ETHANOLAMINE

Solubility in water 1000 - 10000 mg/l
Rapidly degradable
>70% 28d

BENZYL ALCOHOL

Rapidly degradable
87% 28d

2-(2-Butoxyethoxy)ethanol

Rapidly degradable
>80% 28d

12.3. Bioaccumulative potential

ETHANOLAMINE

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

BENZYL ALCOHOL

Partition coefficient: n-octanol/water 1,05

**MAX****12.4. Mobility in soil**

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.

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

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 - 40

Contained substance

Point 55 2-(2-Butoxyethoxy)ethanol
Reg. no.: 01-2119475104-44

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:



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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.

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

Phenylmethanol

SOLVENT NAPHTA (PETROLEUM), LIGHT AROM

2-(2-Butoxyethoxy)ethanol

Propylene glycol n-propyl ether

ETHANOLAMINE

SECTION 16. Other information

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

Flam. Liq. 3	Flammable liquid, category 3
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
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1



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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
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
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.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

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).

**MAX****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.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 05 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.