FILES.	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 18
		Dated 26/03/2019
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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 PS87 PRO

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

Intended use Degreasing cleaner wax remover for porcelain stoneware, ceramic, natural stone,terracotta, cement and

quarry tiles.

Identified Uses	Industrial	Professional	Consumer
Uses	-	✓	~
1.3. Details of the supplier of the safety data shee	et		
Name	FILA INDUSTRIA CHIMICA	S.P.A.	
Full address District and Country	Via Garibaldi, 58 35018 San Martino di Lupa	ri (PD)	
District and Country	ITALIA	(FD)	
	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 (Mone		
	Friday; 8.30 - 12.30 and 14	•	al Nicorda Incidental 00454047
l .	UNITED KINGDOM: NHS D	irect 111 (In England, Scotlan	a North Ireland) U8454647

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.

(Wales); IRELAND 018092166

Hazard classification and indication:

Eye irritation, category 2 H319 Causes serious eye irritation.

2.2. Label elements



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.

Precautionary statements:

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.

P264 Wash hands thoroughly after handling.

5% or over but less than soap

15%

Coumarin, perfumes, Preservation agents, Linalool, 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 $14 \le x < 19$ Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319



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

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EC 202-859-9

INDEX 603-057-00-5

Reg. no. 01-2119492630-38

Propylene glycol n-propyl ether

CAS 1569-01-3 4 ≤ x < 5

DAS 1309-01-3

EC 216-372-4

INDEX -

Reg. no. 01-2119474443-37

Monoethanolamine oleate

CAS 2272-11-9 $1 \le x < 2$ Eye Irrit. 2 H319

EC 218-878-0

INDEX -

Reg. no. esente in accordo all'All. V

del REACH.

Alanine, N,N-bis(carboxymethyl)-

trisodium salt

CAS 164462-16-2 1 ≤ x < 2 Met. Corr. 1 H290

EC 423-270-5

INDEX 011-002-00-6

Reg. no. 01-0000016977-53

ETHANOLAMINE

CAS 141-43-5 0,6 \leq x < 0,7 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 ≤ x < 0,02 Flam. Lig. 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 $0 \le x < 0.02$ 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 ≤ 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.

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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. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless 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.

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

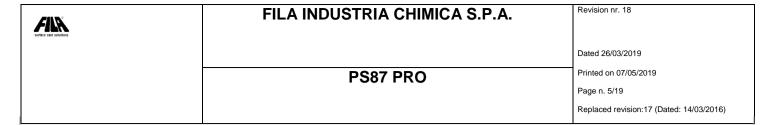
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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

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.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

CZE DEU DNK ESP FIN FRA GBR GRC HRV ITA NLD NOR POL PRT	Česká Republika Deutschland Danmark España Suomi France United Kingdom Eλλάδα Hrvatska Italia Nederland Norge Polska Portugal	Nafízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte Graensevaerdier per stoffer og materialer INSHT - Límites de exposición profesional para agentes químicos en España 2017 HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveysministeriön julkaisuja 2012:5 JORF n°0109 du 10 mai 2012 page 8773 texte n° 102 EH40/2005 Workplace exposure limits EΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012 NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva Decreto Legislativo 9 Aprile 2008, n.81 Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18 Veiledning om Administrative normer for forurensning i arbeidsatmosfære ROZPORZĄDZENIE MINISTRA RODZIN Y, PRAC Y I POLITYKI SPOŁECZNEJ z dnia 12 czerwca 2018 r 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
ROU SVN	România Slovenija	trabalho - Diaro da Republica I 26; 2012-02-06 Monitorul Oficial al României 44; 2012-01-19 Uradni list Republike Slovenije 04.06.2015 (1602) - Pravilnik o spremembah in dopolnitvah Pravilnika o
SWE EU	Sverige OEL EU	varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu Occupational Exposure Limit Values, AF 2011:18 Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive



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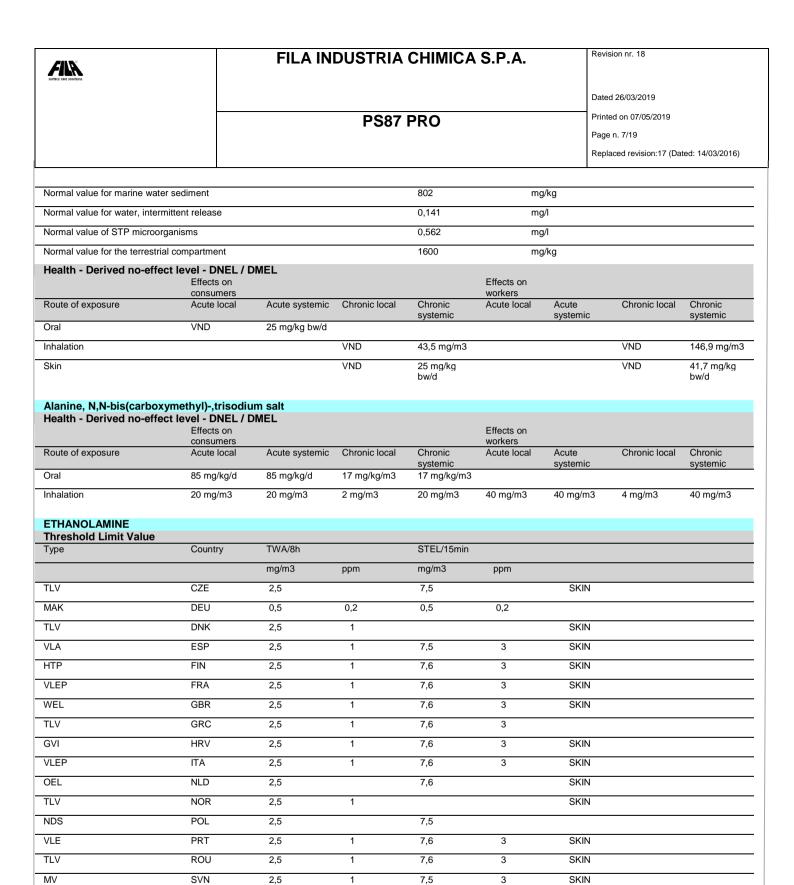
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2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC. ACGIH 2018

TLV-ACGIH ACGIH 20

BENZYL ALCOHOL Threshold Limit Value								
Гуре	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	n - PNEC							
Normal value in fresh water				1	mg	/ I		
Normal value in marine water				0,1	mg	ı/I		
Normal value for fresh water se	diment			5,27	mg/kg			
Normal value for marine water s	sediment			527	mg/kg			
Health - Derived no-effect	level - DNEL / [OMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral	VND	25 mg/kg/d		systemic		systemic		systemic
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/c
Predicted no-effect concentration Normal value in fresh water	n - PNEC			0,1	mo	_I /I		
Normal value in fresh water				<u>, </u>	mg	/I		
Normal value in marine water				0,01	mg			
Normal value for fresh water se				0,386		/kg		
Normal value for marine water s				0,0386		/kg		
Normal value for water, intermit				1	mg			
Normal value of STP microorga				4	mg			
Normal value for the terrestrial of	·			0,0185	mg	/kg		
Health - Derived no-effect	Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation			VND	26 mg/m3		Systemic	VND	217 mg/m3
Skin			VND	2,2 mg/kg/d			VND	9 mg/kg/d
Monoethanolamine oleate								
Predicted no-effect concentration								
Normal value in fresh water				0,478	mg	/I		
Normal value in marine water				0,0478	mg	/I		



MAK

OEL

TLV-ACGIH

Predicted no-effect concentration - PNEC

SWE

ΕU

8

2,5

7,5

3

1

3

15

7,6

15

6

3

6

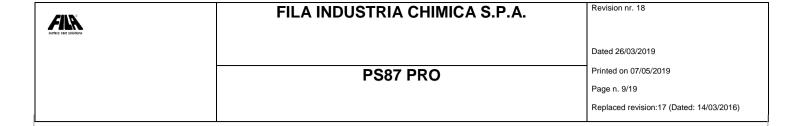
SKIN

SKIN

FILE surface care solutions		FILA IN	DUSTRIA	CHIMICA	S.P.A.		Revision nr. 18	
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Normal value in fresh water				0,085	mg	/I		
Normal value in marine wate	er			0,0085	mg			
Normal value for fresh wate	r sediment			0,434	mg			
Normal value for marine wa	ter sediment			0,0434	mg			
Normal value for water, inte	rmittent release			0,028	mg			
Normal value of STP microc				100	mg			
Health - Derived no-eff		MEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Oral	7.00.00.1000.	7.0010 0/010.1110	VND	systemic 3,75 mg/kg/d	7.00.0 1000.	systemic		systemic
Inhalation			2 mg/m3	VND			3,3 mg/m3	VND
Skin			VND	0,24 mg/kg/d			VND	1 mg/kg/d
SKIII			VND	0,24 mg/kg/u			VND	i ilig/kg/u
(1S)6,6-DIMETHYL-2-M Threshold Limit Value	ETHYLENBICYCLO	HEPTANE						
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
OEL	EU		20					
Hardel Danisandara et								
Health - Derived no-eff	ect level - DNEL / D Effects on	DMEL			Effects on			
		Acute systemic	Chronic local	Chronic	Effects on workers Acute local	Acute	Chronic local	Chronic
Route of exposure	Effects on consumers		Chronic local	Chronic systemic	workers	Acute systemic		systemic
Route of exposure Inhalation Benzyl acetate	Effects on consumers		Chronic local		workers			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value	Effects on consumers Acute local	Acute systemic	Chronic local	systemic	workers			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value	Effects on consumers	Acute systemic TWA/8h		systemic STEL/15min	workers Acute local			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value Type	Effects on consumers Acute local Country	Acute systemic	ppm	systemic	workers			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value Type	Effects on consumers Acute local	Acute systemic TWA/8h		systemic STEL/15min	workers Acute local			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value Type OEL (1S)2,6,6-TRIMETHYLB	Effects on consumers Acute local Country	Acute systemic TWA/8h mg/m3	ppm	STEL/15min mg/m3	workers Acute local			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value Type OEL (1S)2,6,6-TRIMETHYLE Threshold Limit Value	Effects on consumers Acute local Country	Acute systemic TWA/8h mg/m3	ppm	systemic STEL/15min	workers Acute local			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value Type OEL (1S)2,6,6-TRIMETHYLE Threshold Limit Value	Effects on consumers Acute local Country EU SICYCLO-2 HEPTEN	Acute systemic TWA/8h mg/m3	ppm	STEL/15min mg/m3	workers Acute local			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value Type OEL (1S)2,6,6-TRIMETHYLB Threshold Limit Value Type	Effects on consumers Acute local Country EU SICYCLO-2 HEPTEN	TWA/8h mg/m3	ppm 10	STEL/15min mg/m3 STEL/15min	workers Acute local			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value Type OEL (1S)2,6,6-TRIMETHYLE Threshold Limit Value Type	Effects on consumers Acute local Country EU Country EU ect level - DNEL / Effects on	TWA/8h mg/m3 TWA/8h mg/m3	ppm 10	STEL/15min mg/m3 STEL/15min	ppm Effects on			systemic
Route of exposure Inhalation Benzyl acetate Threshold Limit Value Type OEL (1S)2,6,6-TRIMETHYLE Threshold Limit Value Type OEL Health - Derived no-eff Route of exposure	Effects on consumers Acute local Country EU Country EU EU Country	TWA/8h mg/m3 TWA/8h mg/m3	ppm 10	STEL/15min mg/m3 STEL/15min	ppm ppm		Chronic local	

(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

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.

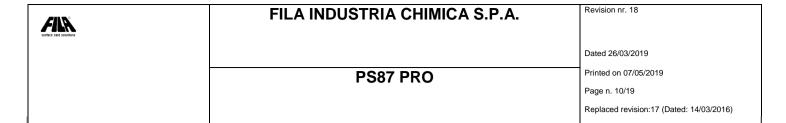
SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance liquid
Colour Light yellow
Odour Pine fragrance
Odour threshold Not available

pH 10,8

Melting point / freezing point Not available
Initial boiling point Not available



Boiling range Not available Flash point > 60 °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 Readily soluble Not available Partition coefficient: n-octanol/water Auto-ignition temperature Not available Decomposition temperature Not available Viscosity Not available not applicable Explosive properties Oxidising properties not applicable

9.2. Other information

VOC (Directive 2010/75/EC) : 20,02 %

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

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

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:
Not classified (no significant component)

Alanine, N,N-bis(carboxymethyl)-,trisodium salt

LD50 (Oral) > 4 mg/kg ratto

LD50 (Dermal) > 4 mg/kg dermale

LC50 (Inhalation) > 5 mg/l ratto

1-propoxypropan-2-ol

LD50 (Oral) > 2000 mg/kg Rat

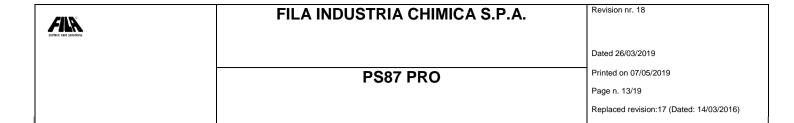
LD50 (Dermal) > 2000 mg/kg Rat

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

Monoethanolamine oleate

LD50 (Oral) 1089 mg/kg rat male/female

LD50 (Dermal) 2504 mg/kg male rabbit

LC50 (Inhalation) > 1,3 mg/l/4h 6h rat male/female

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

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

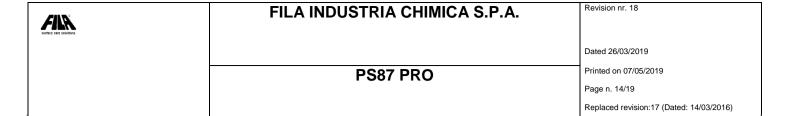
STOT - SINGLE EXPOSURE

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

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1. Toxicity

Alanine, N,N-bis(carboxymethyl)-,trisodium

salt

LC50 - for Fish > 200 mg/l/96h EC50 - for Crustacea > 200 mg/l/48h

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

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

Monoethanolamine oleate

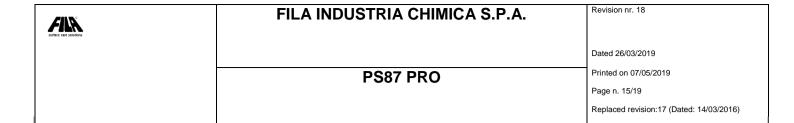
LC50 - for Fish 349 mg/l/96h Cyprinus carpio EC50 - for Crustacea 65 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 2,5 mg/l/72h Pseudokirchnerella subcapitata

12.2. Persistence and degradability

Alanine, N,N-bis(carboxymethyl)-,trisodium salt Rapidly degradable >80% 28d

1-propoxypropan-2-ol Rapidly degradable >70% 10d



ETHANOLAMINE

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

>70% 28d

BENZYL ALCOHOL Rapidly degradable

87% 28d

Monoethanolamine oleate

Rapidly degradable >90% 21d

12.3. Bioaccumulative potential

ETHANOLAMINE

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

BENZYL ALCOHOL

Partition coefficient: n-octanol/water 1,05

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.

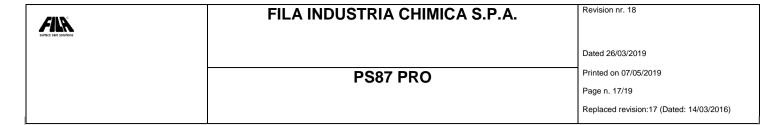
CONTAMINATED PACKAGING

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

SECTION 14. Transport information

FIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 18
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		Replaced revision:17 (Dated: 14/03/2016)
	•	•

		Replaced revision:17 (Dated: 14/03/2016)
The product is not dangerous under c the International Maritime Dangerous (urrent provisions of the Code of International Carriage of Dangerous Goods boods Code (IMDG), and of the International Air Transport Association (IATA)	by Road (ADR) and by Rail (RID), of 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 environme	ntal 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

<u>Product</u>

Point 3 - 40

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.

Regulation (EC) No. 648/2004

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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical safety assessment

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

Phenylmethanol

Propylene glycol n-propyl ether

ETHANOLAMINE

SECTION 16. Other information



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PS87 PRO

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

Flam. Liq. 3 Flammable liquid, 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 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 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H226 Flammable liquid and vapour.
H290 May be corrosive to metals.
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.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

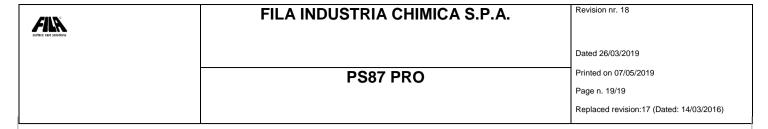
H335 May cause respiratory irritation.H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.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%
- 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 (EÚ) 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 / 14 / 15 / 16.