



## FILA PS87

## Safety data sheet

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

**1.1. Product identifier**Product name **FILA PS87****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 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****UNITED KINGDOM: NHS Direct - +44 0845 4647 or 111 (In England and Wales); NHS 24  
- +44 08454 24 24 24 (In Scotland) -**

### 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 EC Regulation 1907/2006 and subsequent amendments. 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.

**2.2. Label elements.**

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



## FILA PS87



Signal words: Warning

Hazard statements:

**H319** Causes serious eye irritation.

Precautionary statements:

**P101** If medical advice is needed, have product container or label at hand.

**P102** Keep out of reach of children.

**P264** Wash hands thoroughly after handling.

**P280** Wear 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.

### 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.	Conc. %.	Classification 1272/2008 (CLP).
<b>BENZYL ALCOHOL</b>		
CAS. 100-51-6	10 - 30	Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319
EC. 202-859-9		
INDEX. 603-057-00-5		
Reg. no. 01-2119492630-38		
<b>1-propoxypropan-2-ol</b>		
CAS. 1569-01-3	1 - 5	Flam. Liq. 3 H226, Eye Irrit. 2 H319
EC. 216-372-4		
INDEX. -		
Reg. no. 01-2119474443-37		
<b>Monoethanolamine oleate</b>		
CAS. 2272-11-9	1 - 5	Eye Irrit. 2 H319



## FILA PS87

EC. 218-878-0

INDEX. -

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

CAS. 164462-16-2

1 - 5

Met. Corr. 1 H290

EC. 423-270-5

INDEX. -

Reg. no. 01-0000016977-53

**ETHANOLAMINE**

CAS. 141-43-5

0,5 - 1

Acute Tox. 4 H302, Acute  
Tox. 4 H312, Acute Tox. 4  
H332, Skin Corr. 1B H314,  
STOT SE 3 H335, Aquatic  
Chronic 3 H412

EC. 205-483-3

INDEX. 603-030-00-8

Reg. no. 01-2119486455-28

Note: Upper limit is not included into the range.

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.**

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, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to

**FILA PS87**

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**

Excess pressure may form in containers exposed to fire at a risk of explosion. 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. Check incompatibility for container material in section 7. 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.**



## FILA PS87

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	Česká Republika	Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FIN	Suomi	HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveystieteiden tutkimuskeskus julkaisuja 2012:5
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GRB	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
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 PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
SVN	Slovenija	Uradni list Republike Slovenije 15. 6. 2007
SWE	Sverige	Occupational Exposure Limit Values, AF 2011:18
EU	OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
	TLV-ACGIH	ACGIH 2014

### BENZYL ALCOHOL

#### Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV	CZE	40		80	
HTP	FIN	45	10		



## FILA PS87

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 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

## 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

## Monoethanolamine oleate

## Predicted no-effect concentration - PNEC.

Normal value in fresh water	0,478	mg/l
Normal value in marine water	0,0478	mg/l
Normal value for fresh water sediment	8020	mg/kg
Normal value for marine water sediment	802	mg/kg
Normal value for water, intermittent release	0,141	mg/l
Normal value of STP microorganisms	0,562	mg/l
Normal value for the terrestrial compartment	1600	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.	VND	25 mg/kg bw/d						
Inhalation.			VND	43,5 mg/m3			VND	146,9 mg/m3
Skin.			VND	25 mg/kg bw/d			VND	41,7 mg/kg bw/d

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

## 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.	85 mg/kg/d	85 mg/kg/d	17 mg/kg/m3	17 mg/kg/m3				
Inhalation.	20 mg/m3	20 mg/m3	2 mg/m3	20 mg/m3	40 mg/m3	40 mg/m3	4 mg/m3	40 mg/m3

## ETHANOLAMINE

## Threshold Limit Value.

Type	Country	TWA/8h	STEL/15min
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**FILA PS87**

		mg/m3	ppm	mg/m3	ppm	
TLV	CZE	2,5		7,5		SKIN.
AGW	DEU	5,1	2	10,2	4	SKIN.
MAK	DEU	5,1	2	10,2	4	
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	GRB	2,5	1	7,6	3	SKIN.
TLV	GRC	2,5	1	7,6	3	
GVI	HRV	2,5	1	7,6	3	SKIN.
TLV	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		
MV	SVN	2,5	1			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			Chronic local	Chronic systemic
	Acute local	Acute systemic	Chronic local	Acute local	Acute systemic	Chronic local		
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

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



## FILA PS87

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.	11
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 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.	1,011 Kg/l
Solubility	Readily 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.**





## FILA PS87

VOC (Directive 2010/75/EC) : 20,14 % - 203,65 g/litre.  
VOC (volatile carbon) : 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.**

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.**

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

**SECTION 11. Toxicological information.****11.1. Information on toxicological effects.**

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.

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

Alanine, N,N-bis(carboxymethyl)-,trisodium salt  
LD50 (Oral) > 4 mg/kg ratto



## FILA PS87

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

## 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



## FILA PS87

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 biodegradable.

>80% 28d

1-propoxypropan-2-ol

Rapidly biodegradable.

>70% 10d

ETHANOLAMINE

Solubility in water.

mg/l 1000 - 10000

Rapidly biodegradable.

>70% 28d

BENZYL ALCOHOL

Rapidly biodegradable.

87% 28d

Monoethanolamine oleate

Rapidly biodegradable.

>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

**FILA PS87****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.****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.



## FILA PS87

**14.6. Special precautions for user.**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 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. 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).

None.

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.

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



## FILA PS87

5% or over but less than 15% soap

Limonene, perfumes, Linalool

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

### 15.2. Chemical safety assessment.

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

BENZYL ALCOHOL

1-propoxypropan-2-ol

ETHANOLAMINE

## SECTION 16. Other information.

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

<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Met. Corr. 1</b>	Substance or mixture corrosive to metals, category 1
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Skin Corr. 1B</b>	Skin corrosion, category 1B
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<b>H226</b>	Flammable liquid and vapour.
<b>H290</b>	May be corrosive to metals.
<b>H302</b>	Harmful if swallowed.
<b>H312</b>	Harmful in contact with skin.
<b>H332</b>	Harmful if inhaled.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H412</b>	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

**FILA PS87**

- 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 (EU) 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
- 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.

**Changes to previous review:**

The following sections were modified:

03 / 08 / 09 / 11 / 12.