Safety Data Sheet
PS87 PRO
Safety Data Sheet dated 04/08/2026 version 2

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

1.1. Product identifier

Mixture identification:

Trade name: PS87 PRO

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

Recommended use: Professional; Industrial; Consumer

Uses advised against: No other uses are foreseen besides those below identified.

Use description: Degreasing wax remover detergent

1.3. Details of the supplier of the safety data sheet

Company: Fila Solutions S.p.A SB Via Garibaldi, 58 - 35018 San Martino di Lupari (PD) Italy
Tel. +39 049 991 50 56

Responsable: sds@filasolutions.com

1.4. Emergency telephone number

TEL +39.049.9467300 (Monday – Friday; 8.30 - 12.30 and 14.00 - 17.30)

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Eye Irrit. 2	Causes serious eye irritation.
Skin Sens. 1B	May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word



Warning

Hazard statements

H317	May cause an allergic skin reaction.
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.

P280	Wear protective gloves and eye/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

Contains

benzyl alcohol

Regulation (EC) nr 648/2004 (Detergents).

Product contents:

soap	5-15%
Perfumes	< 5%

Preservatives:

BENZISOTHIAZOLINONE

Dir. 2004/42/EC (VOC directive)

This product contains max 220.44 g/l VOC.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: PS87 PRO

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
15-20 %	benzyl alcohol	CAS:100-51-6 EC:202-859-9 Index:603-057-00-5	Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317 Acute Toxicity Estimate: ATE - Oral: 1200 mg/kg bw	01-2119492630-38
3-5 %	1-propoxypropan-2-ol	CAS:1569-01-3 EC:216-372-4	Flam. Liq. 3, H226; Eye Irrit. 2, H319	01-2119474443-37
1-2.5 %	Monoethanolamine oleate	CAS:2272-11-9 EC:218-878-0	Eye Irrit. 2, H319	Exempted
≥0.5-1 %	2-aminoethanol	CAS:141-43-5 EC:205-483-3 Index:603-030-00-8	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Corr. 1B, H314; STOT SE 3, H335 Specific Concentration Limits: C ≥ 5%: STOT SE 3 H335	01-2119486455-28

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

After contact with skin, wash with soap and plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

In case of eyes contact:

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.

In case of 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.

In case of Inhalation:

Bring the subject to open air. In the event of breathing difficulties, get medical advice/attention immediately.

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

Causes serious eye irritation. May cause an allergic skin reaction.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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

Extinguishing media which must not be used for safety reasons:

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

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

Store away from incompatible materials (see Section 10 of the SDS).

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

benzyl alcohol

CAS: 100-51-6	OEL	FINLAND	Long Term: 45 mg/m3 - 10 ppm
	OEL	LATVIA	Long Term: 5 mg/m3

2-aminoethanol

CAS: 141-43-5	ACGIH		Long Term: 3 ppm; Short Term: 6 ppm Notes: Skin and eye irriation
	EU		Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	MAK	AUSTRIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	OSHA	UNITED STATES OF AMERICA	Long Term: 6 mg/m3 - 3 ppm
	OEL-Lead	BELGIUM	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	OEL-Lead	ROMANIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	OEL	DENMARK	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 5 mg/m3 - 2 ppm
	OEL	FINLAND	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	OEL	IRELAND	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	OEL	ITALY	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	OEL	LATVIA	Long Term: 0.5 mg/m3 - 0.2 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	OEL	NORWAY	Long Term: 2.5 mg/m3 - 1 ppm
	OEL	SWEDEN	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.5 mg/m3 - 3 ppm
	VLA	SPAIN	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm
	MAC	NETHERLANDS	Long Term: 2.5 mg/m3; Short Term: 7.6 mg/m3

Predicted No Effect Concentration (PNEC) values

benzyl alcohol

CAS: 100-51-6	Exposure Route: Fresh Water; PNEC Limit: 1 mg/l
	Exposure Route: Intermittent releases (fresh water); PNEC Limit: 2.3 mg/l
	Exposure Route: Marine water; PNEC Limit: 0.1 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 5.27 mg/kg
	Exposure Route: Marine water sediments; PNEC Limit: 0.527 mg/kg
	Exposure Route: Soil; PNEC Limit: 0.45 mg/kg
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 39 mg/l

1-propoxypropan-2-ol

CAS: 1569-01-3	Exposure Route: Fresh Water; PNEC Limit: 0.1 mg/l
	Exposure Route: Marine water; PNEC Limit: 0.01 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 0.386 mg/kg
	Exposure Route: Marine water sediments; PNEC Limit: 0.039 mg/kg
	Exposure Route: Soil; PNEC Limit: 0.018 mg/kg

Monoethanolamine oleate

CAS: 2272-11-9	Exposure Route: Fresh Water; PNEC Limit: 0.478 µg/L
	Exposure Route: Marine water; PNEC Limit: 0.048 µg/L

Exposure Route: Freshwater sediments; PNEC Limit: 8020 mg/kg

Exposure Route: Marine water sediments; PNEC Limit: 802 mg/kg

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 0.141 mg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 0.562 mg/l

Exposure Route: Soil; PNEC Limit: 1600 mg/kg

2-aminoethanol

CAS: 141-43-5 Exposure Route: Fresh Water; PNEC Limit: 0.085 mg/l

Exposure Route: Marine water; PNEC Limit: 0.008 mg/l

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 0.028 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 0.434 mg/kg

Exposure Route: Marine water; PNEC Limit: 0.043 mg/kg

Exposure Route: Soil; PNEC Limit: 0.036 mg/kg

Derived No Effect Level (DNEL) values

benzyl alcohol

CAS: 100-51-6 Exposure Route: Human Inhalation; Exposure Frequency: Long Term (repeated)
Consumer: 5.4 ppm

Exposure Route: Human Oral; Exposure Frequency: Long Term (repeated)
Consumer: 4 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Short Term (acute)
Consumer: 20 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Short Term (acute)
Consumer: 27 ppm

Exposure Route: Human Oral; Exposure Frequency: Short Term (acute)
Consumer: 20 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Long Term (repeated)
Consumer: 4 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Short Term (acute)
Worker Industry: 40 mg/m3; Worker Professional: 40 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Short Term (acute)
Worker Industry: 110 ppm; Worker Professional: 110 ppm

Exposure Route: Human Dermal; Exposure Frequency: Long Term (repeated)
Worker Industry: 8 mg/m3; Worker Professional: 8 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Long Term (repeated)
Worker Industry: 22 ppm; Worker Professional: 22 ppm

1-propoxypropan-2-ol

CAS: 1569-01-3 Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 82.5 mg/kg; Worker Professional: 82.5 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 263 mg/kg/day; Worker Professional: 263 mg/kg/day

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Consumer: 36 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Consumer: 38 mg/kg/day

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 11 mg/m3

Monoethanolamine oleate

CAS: 2272-11-9 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 146.9 mg/kg/day; Worker Professional: 146.9 mg/kg/day

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 41.7 mg/m3; Worker Professional: 41.7 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Consumer: 43.5 mg/kg/day

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects

Consumer: 25 mg/m3

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 25 mg/m3

2-aminoethanol

CAS: 141-43-5 Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 1 mg/kg; Worker Professional: 1 mg/kg; Consumer: 0.24 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Industry: 3.3 mg/kg/day; Worker Professional: 3.3 mg/kg/day; Consumer: 2 mg/kg/day

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 3.75 mg/kg

8.2. Exposure controls

Eye protection:

Wear airtight protective goggles (see standard EN 166).

Protection for skin:

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Protection for hands:

Protect hands with category III work gloves (ref. Standard EN 374). For the final choice of the material of the work gloves it is necessary to consider: compatibility, degradation, breakage time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. Gloves have a wear time that depends on the duration and method of use. Recommended material: Nitrile, minimum 0.38 mm thick or equivalent protective barrier material with a high level performance for conditions of use in continuous contact, with a minimum permeability time of 480 minutes in accordance with the CEN standard EN 420 and EN 374.

Respiratory protection:

None required, unless indicated otherwise in the chemical risk assessment. In the presence of aerosols/mist: A2 P2 filter (EN 14387), color code brown, white. Observe the maximum wearing times of respiratory protection.

Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

Hygienic and Technical measures

N.A.

Appropriate engineering controls:

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Transparent pale yellow
Odour:	Pine fragrance
pH:	10.80
Kinematic viscosity:	N.A.
Melting point/freezing point:	N.A.
Boiling point or initial boiling point and boiling range:	N.A.
Flash point:	> 93°C
Lower and upper explosion limit:	N.A.
Relative vapour density:	N.A.
Vapour pressure:	N.A.
Density and/or relative density:	1.01 kg/l
Solubility in water:	Very soluble
Solubility in oil:	N.A.
Partition coefficient n-octanol/water (log	N.A.

value):

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Flammability: N.A.

VOC content (g/L) in the product (2010/75/UE) 220.38
VOC content % in the product (2010/75/UE) 21.86
Particle characteristics:
Particle size: N.A.

9.2. Other information

No other relevant information

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

Product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

None in particular.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Oxidizing agents. Strong acids and bases.

10.6. Hazardous decomposition products

Due to thermal decomposition or in case of fire, gases and vapors can be released that are potentially harmful to health.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye Irrit. 2(H319)
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1B(H317)
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

benzyl alcohol

CAS: 100-51-6	a) acute toxicity	ATE - Oral: 1200 mg/kg bw
		LC50 Inhalation Rat > 4.178 mg/l 4h
		LD50 Oral Rat = 1620 mg/kg bw
		LD50 Skin Rabbit = 2000 mg/kg bw
	c) serious eye	Eye Irritant Rabbit

	damage/irritation	
	d) respiratory or skin sensitisation	Skin Sensitization Guineapig Negative
	g) reproductive toxicity	No Observed Adverse Effect Level Rat Negative 1072 mg/m3
	i) STOT-repeated exposure	No Observed Adverse Effect Level Oral 400 mg/kg Notes: sub acute oral
1-propoxypropan-2-ol		
CAS: 1569-01-3	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg
		LD50 Skin Rabbit > 2000 mg/kg
	c) serious eye damage/irritation	Eye Irritant Rabbit
Monoethanolamine oleate		
CAS: 2272-11-9	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg bw
	c) serious eye damage/irritation	Eye Irritant Rabbit
2-aminoethanol		
CAS: 141-43-5	a) acute toxicity	LD50 Oral Rat = 1.089 mg/kg
		LD50 Skin Rat = 2504 mg/kg
		LC50 Inhalation Rat > 1.48 mg/l 4h
	b) skin corrosion/irritation	Skin Corrosive Rabbit Positive
	c) serious eye damage/irritation	Eye Corrosive Rabbit Positive

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

benzyl alcohol	
CAS: 100-51-6	a) Aquatic acute toxicity: LC50 Fish Pimephales promelas = 460 mg/L 96h
	a) Aquatic acute toxicity: EC50 Daphnia Daphnia Magna = 230 mg/L 48h OCSE 202
	b) Aquatic chronic toxicity: NOEC Daphnia Daphnia Magna = 51 mg/L 21 days OCSE 211
	a) Aquatic acute toxicity: EC50 Algae Pseudokirchneriella subcapitata = 770 mg/L 72h OCSE 201
1-propoxypropan-2-ol	
CAS: 1569-01-3	a) Aquatic acute toxicity: LC50 Fish Oncorhynchus mykiss (Trota iridea) > 100 mg/L 96h
	a) Aquatic acute toxicity: LC50 Daphnia Daphnia magna (Pulce d'acqua grande) > 100 mg/L 48h
	a) Aquatic acute toxicity: EC50 Algae Pseudokirchneriella subcapitata = 1466 mg/L 96h
Monoethanolamine oleate	
CAS: 2272-11-9	a) Aquatic acute toxicity: LC50 Fish Cyprinus carpio = 1963 mg/L 96h
	a) Aquatic acute toxicity: EC50 Daphnia magna = 366 mg/L 48h
	a) Aquatic acute toxicity: EC50 Algae Pseudokirchneriella subcapitata = 14.1 mg/L 72h - OECD 201
2-aminoethanol	
CAS: 141-43-5	a) Aquatic acute toxicity: LC50 Fish Cyprinus carpio = 349 mg/L 96h
	a) Aquatic acute toxicity: EC50 Algae Pseudokirchneriella subcapitata = 2.5 mg/L 72h
	a) Aquatic acute toxicity: NOEC Algae Pseudokirchneriella subcapitata = 1 mg/L 72h
	b) Aquatic chronic toxicity: LOEC Fish Oryzias latipes = 3.6 mg/L - 30 days

b) Aquatic chronic toxicity: NOEC Daphnia = 0.85 mg/L 21 days

12.2. Persistence and degradability

benzyl alcohol

CAS: 100-51-6	Readily biodegradable	Test: degradation half-life in marine water; Duration: 14 days; Value: 92 Notes: Range 92-96%

1-propoxypropan-2-ol

CAS: 1569-01-3	Readily biodegradable	

Monoethanolamine oleate

CAS: 2272-11-9	Readily biodegradable	Test: OECD 301; Duration: 21 days; Value: 90 Notes: >

2-aminoethanol

CAS: 141-43-5	Readily biodegradable	Test: OECD 301 A; Duration: 28 days; Value: 90 Notes: >

12.3. Bioaccumulative potential

benzyl alcohol

CAS: 100-51-6	Not bioaccumulative	Test: BCF - Bioconcentrantion factor

12.4. Mobility in soil

2-aminoethanol

CAS: 141-43-5	Mobile	Test: The potential for mobility in soil is very high (Koc between 0 and 50).

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration >= 0.1%

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7 Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.
Waste code:

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

N/A

14.2. UN proper shipping name

ADR-Shipping Name: N/A
IATA-Shipping Name: N/A
IMDG-Shipping Name: N/A

14.3. Transport hazard class(es)

ADR-Class: N/A
IATA-Class: N/A
IMDG-Class: N/A

14.4. Packing group

ADR-Packing Group: N/A
IATA-Packing group: N/A
IMDG-Packing group: N/A

14.5. Environmental hazards

Toxic ingredients quantity: 0.00
Very toxic ingredients quantity: 0.00
Marine pollutant: No
Environmental Pollutant: No
IMDG-EMS: N/A

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air (IATA):

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage and handling: N/A

IMDG-Segregation: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878

Regulation (EC) n. 1272/2008 (CLP)	Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)	Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)	Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)	Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)	Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)	Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)	Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)	Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)	Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)	Regulation (EU) n. 2023/707
Regulation (EU) n. 2023/1434 (ATP 19 CLP)	Regulation (EU) n. 2023/1435 (ATP 20 CLP)
Regulation (EU) n. 2024/197 (ATP 21 CLP)	Regulation (EU) n. 2024/2564 (ATP 22 CLP)
Regulation (EU) n. 2024/2865	Regulation (EU) n. 2025/1222 (ATP 23 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

None

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Class 1: slightly hazardous for water.

SVHC Substances:

No SVHC substances present in concentration >= 0.1%

Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 21.87 %

Volatile Organic compounds - VOCs = 220.44 g/L

Dir. 2010/75/EC (VOC directive)

Volatile Organic compounds - VOCs = 21.86 %

Volatile Organic compounds - VOCs = 220.38 g/L

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

benzyl alcohol

1-propoxypropan-2-ol

2-aminoethanol

SECTION 16: Other information

Code	Description
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Code	Hazard class and hazard category	Description
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1B, H317	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report
DMEL: Derived Minimal Effect Level
DNEL: Derived No Effect Level.
DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KAFH: Keep Away From Heat
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- **SECTION 2: Hazards identification**