Safety Data Sheet according to Reg. 878/2020/EU
CR10
Safety Data Sheet dated 11/12/2025 version 1

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

1.1. Product identifier

Mixture identification:

Trade name: CR10

Product type and use: epoxy grout cleaner

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

Recommended use: Professional; Consumer

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

Use description: Epoxy grout cleaner.

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)
ITALIA
tel. +39.049.9467300
fax +39.049.9460753

Responsable: sds@filasolutions.com

1.4. Emergency telephone number

UNITED KINGDOM: NHS Direct 111 (In England, Scotland North Ireland) 08454647 (Wales); IRELAND 018092166

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

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):

Pictograms and Signal Words



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%

Dir. 2004/42/EC (VOC directive)

This product contains max 276.39 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: CR10

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

Qty	Name	Ident. Numb.	Classification	Registration Number
≥20-<25 %	benzyl alcohol	CAS:100-51-6 EC:202-859-9 Index:603-057-00-5	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Acute Toxicity Estimate: ATE - Oral: 1200mg/kg bw	01-2119492630-38
≥3-<5 %	1-methoxy-2-propanol	CAS:107-98-2 EC:203-539-1 Index:603-064-00-3	Flam. Liq. 3, H226; STOT SE 3, H336	01-2119457435-35
≥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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

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.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

The intended uses are indicated in section 1. No further specific uses are foreseen.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

OEL Type	Country	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes

benzyl alcohol CAS: 100-51-6	OEL	FINLAND	45.00000000	10.00000000			
	OEL	LATVIA	5.00000000				
1-methoxy-2-propanol CAS: 107-98-2	MAK	AUSTRIA	187. 00000000	50.00000000	187. 00000000	50.00000000	
	VLEP	BELGIUM	184. 00000000	50.00000000	369. 00000000	100. 00000000	
	OEL	DENMARK	185. 00000000	50.00000000	370. 00000000	100. 00000000	
	OEL - EU		375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	FINLAND	370. 00000000	100. 00000000	560. 00000000	150. 00000000	
	AGW	GERMANY	370. 00000000	100. 00000000	740. 00000000	200. 00000000	
	MAK	GERMANY	370. 00000000	100. 00000000	740. 00000000	200. 00000000	
	OEL	IRELAND	375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	ITALY	375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	LATVIA	375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	NORWAY	180. 00000000	50.00000000			
	VLEP	ROMANIA	180. 00000000		360. 00000000		
	VLA	SPAIN	375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	SWEDEN	190. 00000000	50.00000000	568. 00000000	150. 00000000	
	MAK	SWITZERLAND	360. 00000000	100. 00000000	720. 00000000	200. 00000000	
	MAC	NETHERLANDS	375. 00000000		563. 00000000		
	ACGIH			50.00000000		100. 00000000	A4 - Eye and URT irritant
	WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	375. 00000000	100. 00000000	560. 00000000	150. 00000000	
2-aminoethanol CAS: 141-43-5	MAK	AUSTRIA	2.500	1.000	7.600	3.000	
	VLEP	BELGIUM	2.50000000	1.00000000	7.60000000	3.00000000	
	OEL	DENMARK	2.50000000	1.00000000	5.00000000	2.00000000	
	OEL - EU		2.50000000	1.00000000	7.60000000	3.00000000	
	OEL	FINLAND	2.50000000	1.00000000	7.60000000	3.00000000	
	OEL	IRELAND	2.50000000	1.00000000	7.60000000	3.00000000	
	OEL	ITALY	2.50000000	1.00000000	7.60000000	3.00000000	
	OEL	LATVIA	0.50000000	0.20000000	7.60000000	3.00000000	

OEL	NORWAY	2.50000000	1.00000000			
VLEP	ROMANIA	2.50000000	1.00000000	7.60000000	3.00000000	
VLA	SPAIN	2.50000000	1.00000000	7.60000000	3.00000000	
OEL	SWEDEN	2.50000000	1.00000000	7.50000000	3.00000000	
MAC	NETHERLANDS	2.50000000		7.60000000		
OSHA PEL	UNITED STATES OF AMERICA	6.00000000	3.00000000			
ACGIH			3.00000000		6.00000000	Skin and eye irriation
WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	2.50000000	1.00000000	7.60000000	3.00000000	

Predicted No Effect Concentration (PNEC) values

	PNEC Limit	Exposure Route	Exposure Frequency	Remark
benzyl alcohol CAS: 100-51-6	1 mg/l	Fresh Water		
	2.3 mg/l	Intermittent releases (fresh water)		
	0.1 mg/l	Marine water		
	5.27 mg/kg	Freshwater sediments		
	0.527 mg/kg	Marine water sediments		
	0.45 mg/kg	Soil		
	39 mg/l	Microorganisms in sewage treatments		
1-methoxy-2-propanol CAS: 107-98-2	10 mg/l	Fresh Water		
	100 mg/l	Intermittent releases (fresh water)		
	1 mg/l	Marine water		
	52.3 mg/kg	Freshwater sediments		
	5.2 mg/kg	Marine water sediments		
	4.59 mg/kg	Soil		
	100 mg/l	Water		
Monoethanolamine oleate CAS: 2272-11-9	0.478 µg/L	Fresh Water		
	0.048 µg/L	Marine water		
	8020 mg/kg	Freshwater sediments		

	802 mg/kg	Marine water sediments
	0.141 mg/l	Intermittent releases (fresh water)
	0.562 mg/l	Microorganisms in sewage treatments
	1600 mg/kg	Soil
2-aminoethanol CAS: 141-43-5	0.085 mg/l	Fresh Water
	0.008 mg/l	Marine water
	0.028 mg/l	Intermittent releases (fresh water)
	0.434 mg/kg	Freshwater sediments
	0.043 mg/kg	Marine water
	0.036 mg/kg	Soil

Derived No Effect Level (DNEL) values

	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
benzyl alcohol CAS: 100-51-6			5.4 ppm	Human Inhalation	Long Term (repeated)	
			4 mg/Kg bw/day	Human Oral	Long Term (repeated)	
			20 mg/Kg bw/day	Human Dermal	Short Term (acute)	
			27 ppm	Human Inhalation	Short Term (acute)	
			20 mg/Kg bw/day	Human Oral	Short Term (acute)	
			4 mg/Kg bw/day	Human Dermal	Long Term (repeated)	
	40 mg/Kg bw/day	40 mg/Kg bw/day		Human Dermal	Short Term (acute)	
	110 ppm	110 ppm		Human Inhalation	Short Term (acute)	
	8 mg/Kg bw/day	8 mg/Kg bw/day		Human Dermal	Long Term (repeated)	
	22 ppm	22 ppm		Human Inhalation	Long Term (repeated)	
1-methoxy-2-propanol CAS: 107-98-2			43.6 mg/m3	Human Inhalation	Long Term, systemic effects	

			78 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
			33 mg/Kg bw/day	Human Oral	Long Term (repeated)
	553.5 mg/m3	553.5 mg/m3		Human Inhalation	Short Term (acute)
	369 mg/m3	369 mg/m3		Human Inhalation	Long Term, systemic effects
	183 mg/Kg bw/day	183 mg/Kg bw/day		Human Dermal	Long Term, systemic effects
Monoethanolamine oleate CAS: 2272-11-9	146.9 mg/m3	146.9 mg/m3		Human Inhalation	Long Term, systemic effects
	41.7 mg/Kg bw/day	41.7 mg/Kg bw/day		Human Dermal	Long Term, systemic effects
			43.5 mg/m3	Human Inhalation	Long Term, systemic effects
			25 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
			25 mg/Kg bw/day	Human Oral	Long Term, systemic effects
2-aminoethanol CAS: 141-43-5	1 mg/kg	1 mg/kg	0.24 mg/kg	Human Dermal	Long Term, systemic effects
	3.3 mg/m3	3.3 mg/m3	2 mg/m3	Human Inhalation	Long Term, local effects
			3.75 mg/kg	Human Oral	Long Term, systemic effects

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

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 (OSHA 29 CFR 1910.138).

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.

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:

Emissions from manufacturing processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

Product residues must not be discharged without control into waste water or water courses.

Hygienic and Technical measures

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid
Appearance and colour: Viscous Transparent pale yellow
Odour: Characteristic
pH: 10.50
Kinematic viscosity: N.A. (Not relevant for the classification and hazards of the mixture)
Melting point / freezing point: 0 °C (32 °F)
Initial boiling point and boiling range: 100 °C (212 °F)
Flash point: > 93°C
Upper/lower flammability or explosive limits: N.A. (not flammable)
Vapour density: N.A. (not determined as it is considered irrelevant for the characterisation of the product)
Vapour pressure: N.A. (not determined as it is considered irrelevant for the characterisation of the product)
Relative density: 1.01 kg/l
Solubility in water: Very soluble
Solubility in oil: N.A.
Partition coefficient (n-octanol/water): N.A. (Not applicable for mixtures.)
Auto-ignition temperature: N.A. (not self-ignitable)
Decomposition temperature: N.A. (Not applicable (aqueous mixture))
Flammability: ; Non-flammable.
Particle characteristics:
Particle size: N.A.
VOC content (g/L) in the product (2010/75/UE) 276.39
VOC content % in the product (2010/75/UE) 27.37

9.2. Other information

(There are no explosive components present.)
(There are no oxidizing components present.)
No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

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

Avoid contact with strong acids.

10.5. Incompatible materials

Strong reducing and oxidizing agents, strong bases and acids, high temperature materials.

10.6. Hazardous decomposition products

In combustion can develop irritant and toxic gases.

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	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 damage/irritation	Eye Irritant Rabbit	
	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	sub acute oral
1-methoxy-2-propanol	a) acute toxicity	LD50 Oral Rat = 4016 mg/kg	
		LD50 Skin Rat > 2000 mg/kg bw	
	c) serious eye damage/irritation	Eye Irritant Rabbit	
Monoethanolamine oleate	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg bw	
	c) serious eye damage/irritation	Eye Irritant Rabbit	
2-aminoethanol	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

Component	Ident. Numb.	Ecotox Data
benzyl alcohol	CAS: 100-51-6 - EINECS: 202-859-9 - INDEX: 603-057-00-5	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-methoxy-2-propanol	CAS: 107-98-2 - EINECS: 203-539-1 - INDEX: 603-064-00-3	a) Aquatic acute toxicity : EC50 Fish Pimephales promelas = 20800 mg/L 96h
		a) Aquatic acute toxicity : EC50 Daphnia 23300 mg/L 48h
		a) Aquatic acute toxicity : EC50 Algae Selenastrum capricornutum > 1000 mg/L - 7 days
Monoethanolamine oleate	CAS: 2272-11-9 - EINECS: 218-878-0	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 - EINECS: 205-483-3 - INDEX: 603-030-00-8	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

Component	Persitence/Degradability:	Test	Duration	Value	Notes
benzyl alcohol	Readily biodegradable	OECD 301C	14 days	92.000	Range 92-96%
1-methoxy-2-propanol	Readily biodegradable				
Monoethanolamine oleate	Readily biodegradable	OECD 301	21 days	90.000	>
2-aminoethanol	Readily biodegradable	OECD 301 A	28 days	90.000	>

12.3. Bioaccumulative potential

Component	Bioaccumulation	Test
benzyl alcohol	Not bioaccumulative	BCF - Bioconcentrantion factor

12.4. Mobility in soil

Component	Mobility in soil	Test
1-methoxy-2-propanol	Mobile	
2-aminoethanol	Mobile	The potential for mobility in soil is very high (Koc between 0 and 50).

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor 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:

Waste Code:

Code	Description
	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 or ID number

N/A

14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical 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 Qty: 0.00

High Toxicity Ingredients Qty: 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 Provisioning: N/A

Sea (IMDG) :

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisioning: 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 (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2018/699 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
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. 2018/699 (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. 2020/878

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: 30, 75

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

N.A.

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

No substances listed

German Water Hazard Class.

Class 1: slightly hazardous for water.

SVHC Substances:

No data available

Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 27.37 %

Volatile Organic compounds - VOCs = 276.39 g/L

Dir. 2010/75/EC (VOC directive)

Volatile Organic compounds - VOCs = 27.37 %

Volatile Organic compounds - VOCs = 276.39 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-methoxy-2-propanol

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.
H336	May cause drowsiness or dizziness.

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
3.3/2	Calculation method
3.4.2/1B	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: KAFH
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.