

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 15/01/2025 Revision date: 15/01/2025 Supersedes version of: 08/02/2023 Version: 11.4

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

1.1. Product identifier Product form : Mixture Trade name : Z50 Fluid Product code : 37046;37049 1.2. Relevant identified uses of the substance or mixture and uses advised against **Relevant identified uses** Main use category : Industrial use, Professional use Industrial/Professional use spec : Industrial For professional use only Use of the substance/mixture : Corrosion inhibitors 1.3. Details of the supplier of the safety data sheet Manufacturer ROCOL a division of ITW Ltd Rocol House Wakefield Rd, Swillington LS26 8BS Leeds, West Yorkshire United Kingdom T +44 (0)113 232 2600 customer.service@rocol.com, www.rocol.com 1.4. Emergency telephone number : +44 (0)113 232 2600 Emergency number **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

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Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment – Chronic Hazard,	H412
Category 3	
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]		
Hazard pictograms (CLP)		
	GHS05	
Signal word (CLP)	: Danger	
Contains	: ALKOXYAMINE	
Hazard statements (CLP)	: H315 - Causes skin irritation.	
	H318 - Causes serious eye damage.	
	H412 - Harmful to aquatic life with long lasting effects.	
Precautionary statements (CLP)	: P264 - Wash hands, forearms and face thoroughly after handling.	
	P280 - Wear protective clothing, eye protection, face protection.	
	P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes.	

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Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Amides, C18-unsatd., N,N-bis(hydroxyethyl)	CAS-No.: 93-83-4 EC-No.: 700-972-2	5 – 15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
ALCOHOLS C16-C18, C18-UNSATURATED, ETHOXYLATED	CAS-No.: 68920-66-1 EC-No.: 500-236-9 REACH-no: 01-2119489407- 26	5 – 10	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
ALKOXYAMINE	CAS-No.: 111-42-2 EC-No.: 203-868-0 REACH-no: 01-2119488930- 28	2.4 – 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash skin with plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and eas to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and ef	ffects, both acute and delayed
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye damage.

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

No additional information available

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SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.	
5.2. Special hazards arising from the substa	ance or mixture	
No additional information available		
5.3. Advice for firefighters		
Firefighting instructions Protection during firefighting	 Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection. 	
SECTION 6: Accidental release measur	es	
6.1. Personal precautions, protective equip	ment and emergency procedures	
For non-emergency personnel Emergency procedures	: Evacuate unnecessary personnel.	
For emergency responders Protective equipment Emergency procedures	Equip cleanup crew with proper protection.Ventilate area.	
6.2. Environmental precautions		
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.		
6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.	

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling Hygiene measures	 Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Wash hands, forearms and face thoroughly after handling. 		
7.2. Conditions for safe storage, including a	, , , ,		
Storage conditions Incompatible products Incompatible materials	 Keep only in original container. Keep container closed when not in use. Strong bases. Strong acids. Sources of ignition. Direct sunlight. 		

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		

No additional information available

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8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure. Personal protective equipment symbol(s):



Eye and face protection

Eye protection: Chemical goggles or safety glasses

Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Wear protective gloves. Nitrile rubber gloves

Respiratory protection

Respiratory protection: Not required for normal conditions of use

Environmental exposure controls

Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Colour	: Liquid : brown.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: <-9 °C
Freezing point	: Not available
Boiling point	: > 100 °C
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 100 °C
Auto-ignition temperature	: > 100 °C
Decomposition temperature	: Not available
рН	: 9-10
pH solution	: 5 vol %
Viscosity, kinematic	: Not available
Solubility	: Emulsifiable.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: ≈ 0.98
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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according to the REACH Regulation (EC) 1907/200	Jo amenaea by Regulation (EU) 2020/878	
9.2. Other information		
Other safety characteristics		
VOC content	: 0 g/l	
SECTION 10: Stability and reactive	vity	
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reaction	ons	
Stable under normal conditions of use.		
10.4. Conditions to avoid		
Direct sunlight. Extremely high or low tempe	ratures.	
10.5. Incompatible materials		
Strong acids. Strong bases.		
10.6. Hazardous decomposition proc	lucts	
fume. Carbon monoxide. Carbon dioxide.		
SECTION 11: Toxicological infor	mation	
11.1. Information on hazard classes	as defined in Regulation (EC) No 1272/2008	
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
ALCOHOLS C16-C18, C18-UNSATUR	RATED, ETHOXYLATED (68920-66-1)	
LD50 oral rat	> 2000 mg/kg	
Amides, C18-unsatd., N,N-bis(hydro	xyethyl) (93-83-4)	
LD50 oral rat	≈ 10000 mg/kg bodyweight Animal: rat, Animal sex: male	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:	
Skin corrosion/irritation	: Causes skin irritation. pH: 9 – 10	
ALCOHOLS C16-C18, C18-UNSATURATED, ETHOXYLATED (68920-66-1)		
рН	≈ 7	
Serious eye damage/irritation	: Causes serious eye damage.	
ALCOHOLS C16-C18, C18-UNSATUR	pH: 9 – 10 RATED, ETHOXYLATED (68920-66-1)	
рН	≈7	
Respiratory or skin sensitisation	: Not classified	
Additional information	: Based on available data, the classification criteria are not met	
Germ cell mutagenicity	: Not classified	
Additional information	: Based on available data, the classification criteria are not met	

: Not classified

Additional information

Carcinogenicity

: Based on available data, the classification criteria are not met

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Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
ALKOXYAMINE (111-42-2)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Amides, C18-unsatd., N,N-bis(hy	droxyethyl) (93-83-4)
LOAEL (dermal, rat/rabbit, 90 days)	50 mg/kg bodyweight Animal: rat
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
11.2. Information on other hazard	IS
11.2. Information on other hazard	S

Other information

Potential adverse human health effects and	: Based on available data, the classification criteria are not met
symptoms	

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term : Not classified (acute) Hazardous to the aquatic environment, long–term : Harmful to aquatic life with long lasting effects.	12.1. TOXICILY		
ALCOHOLS C16-C18, C18-UNSATURATED, ETHOXYLATED (68920-66-1) LC50 - Fish [1] 10 – 100 mg/l ALKOXYAMINE (111-42-2) EC50 - Crustacea [1] 30.1 mg/l Test organisms (species): Ceriodaphnia dubia EC50 - Crustacea [2] 89.9 mg/l Test organisms (species): Ceriodaphnia dubia EC50 - Crustacea [2] 89.5 mg/l Test organisms (species): Ceriodaphnia dubia EC50 72h - Algae [1] 9.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 9.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) EC50 96h - Algae [2] 2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) LOEC (chronic) 1.56 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) LOEC (chronic) 0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC (chronic) 0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic fish > 1 mg/l Test organisms (species): other:freshwater fish	Hazardous to the aquatic environment, short-term : (acute)	Not classified	
LC50 - Fish [1]10 – 100 mg/lALKOXYAMINE (111-42-2)EC50 - Crustacea [1]30.1 mg/l Test organisms (species): Ceriodaphnia dubiaEC50 - Crustacea [2]89.9 mg/l Test organisms (species): Ceriodaphnia dubiaEC50 - Crustacea [2]9.5 mg/l Test organisms (species): Ceriodaphnia dubiaEC50 72h - Algae [1]9.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)EC50 72h - Algae [2]2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)EC50 96h - Algae [1]9.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)EC50 96h - Algae [2]2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)EC50 96h - Algae [2]2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)LOEC (chronic)1.56 mg/l Test organisms (species): Dseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)LOEC (chronic)0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic fishAmides, C18-unsatd., N,N-bis(hydroxyethyl) (92-83-4)	(chronic)		
ALKOXYAMINE (111-42-2) EC50 - Crustacea [1] 30.1 mg/l Test organisms (species): Ceriodaphnia dubia EC50 - Crustacea [2] 89.9 mg/l Test organisms (species): Ceriodaphnia dubia EC50 72h - Algae [1] 9.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 9.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) EC50 96h - Algae [2] 2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) EC50 96h - Algae [2] 2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) LOEC (chronic) 1.56 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) LOEC (chronic) 0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic fish > 1 mg/l Test organisms (species): other:freshwater fish Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	ALCOHOLS C16-C18, C18-UNSATURATED, E	THOXYLATED (68920-66-1)	
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EC50 - Crustacea [2]89.9 mg/l Test organisms (species): Ceriodaphnia dubiaEC50 72h - Algae [1]9.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)EC50 72h - Algae [2]2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)EC50 96h - Algae [1]9.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)EC50 96h - Algae [1]9.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)EC50 96h - Algae [2]2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)LOEC (chronic)1.56 mg/l Test organisms (species): Dseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)LOEC (chronic)1.56 mg/l Test organisms (species): Daphnia magna Duration: '21 d'NOEC (chronic)0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d'NOEC chronic fish> 1 mg/l Test organisms (species): other:freshwater fishAmides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	ALKOXYAMINE (111-42-2)		
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Raphidocelis subcapitata, Selenastrum capricornutum) LOEC (chronic) 1.56 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC (chronic) 0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic fish > 1 mg/l Test organisms (species): other:freshwater fish Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	EC50 96h - Algae [1]		
NOEC (chronic) 0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic fish > 1 mg/l Test organisms (species): other:freshwater fish Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	EC50 96h - Algae [2]		
NOEC chronic fish > 1 mg/l Test organisms (species): other:freshwater fish Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	LOEC (chronic)	1.56 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	NOEC (chronic)	0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
	NOEC chronic fish	> 1 mg/l Test organisms (species): other:freshwater fish	
LC50 - Fish [1] ≈ 5.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)		
	LC50 - Fish [1]	≈ 5.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	

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Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)		
EC50 - Crustacea [1]	≈ 3.2 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	≈ 18.6 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	≈ 23.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
LOEC (chronic)	≈ 0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	≈ 0.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	≈ 0.32 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'	

12.2. Persistence and degradability

Z50 Fluid		
Persistence and degradability	May cause long-term adverse effects in the environment.	
ALCOHOLS C16-C18, C18-UNSATURATED, ETHOXYLATED (68920-66-1)		
Persistence and degradability	Rapidly degradable	
ALKOXYAMINE (111-42-2)		
Persistence and degradability	Rapidly degradable	
Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)		
Persistence and degradability	Rapidly degradable	
12.3. Bioaccumulative potential		
Z50 Fluid		
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		
Z50 Fluid		

SECTION 13: Disposal considerations				
13.1. Waste treatment methods				
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.			
Ecological waste information	: Avoid release to the environment.			

Avoid release to the environment.

Other information

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 14: Transport information				
In accordance with ADR / IMDG / IATA / ADN / RID				
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport Not regulated

Transport by sea Not regulated

Air transport Not regulated

Inland waterway transport Not regulated

Rail transport Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content

: 0 g/l

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information	
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

Safety Data Sheet (SDS), EU

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

This information is based on our current knowledge using information from our raw material suppliers and describes the product for health, safety and environmental purposes only. It should therefore not be interpreted as guaranteeing any specific property of the product. This information does not exempt the user from checking the product and in no way engages our responsibility as to the use for which it is intended.