

### Safety Data Sheet

According to OSHA 29 CFR 1910.1200
Revision date: 10/19/2017 Supersedes version of: 4/26/2017 Version: 12.02

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

#### 1.1. Product identifier

Product form : Mixture : Pediline Product name Product code 105

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

Use of the substance/mixture : See product bulletin for detailed information.

#### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

CID LINES NV N.V. Waterpoortstraat, 2 BE-B-8900 leper Belgique

T + 32 57 21 78 77 - F +32 57 21 78 79 sds@cidlines.com - http://www.cidlines.com

### 1.4. Emergency telephone number

Country	Organization/Company	Address	Emergency number	Comment
Canada	CANUTEC Country Organization/Company Address Emergency number Comment		(613) 996-6666	
USA	American Association of Poison Control Centers		1-800-222-1222	

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

#### Labelling according to OSHA 29 CFR 1910.1200

Acute toxicity (oral) Category 4 H302 Skin corrosion/irritation, Category 1, Sub-Category 1B H314 Respiratory sensitization, Category 1 H334 Skin sensitization, Category 1 H317 Hazardous to the aquatic environment - Acute Hazard Category 1 H400 Hazardous to the aquatic environment - Chronic Hazard Category 2 H411

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 OSHA 29 CFR 1910.1200

Hazard pictograms (CLP)









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	GHS05	GHS07	GHS08	GHS09
Signal word (CLP)	Danger			
Hazard statements (CLP)	H302 - Harmful if	swallowed.		
	H314 - Causes se	evere skin burns	s and eye dama	ge.
	H317 - May cause	e an allergic ski	n reaction.	
	H334 - May cause H411 - Toxic to a	0,		ns or breathing difficulties if inhaled. cts.
Precautionary statements (CLP)	P280 - Wear prote	ective gloves/pr	otective clothing	g/eye protection/face protection.
	P260 - Do not bre	athe mist, spra	y.	
	P303 - IF ON SK	IN (or hair) Rer	nove immediate	ly all contaminated clothing. Wash with
	plenty of soap and	d water.		
	P301+P330+P33	1+P310+P321 -	- IF SWALLOW	ED Rinse mouth. Do NOT induce vomiting.
	Immediately call a	a poison center	or doctor/physic	cian. Specific treatment.
	P273 - Avoid rele	ase to the envir	onment.	
	P304+P340 - IF II	NHALED: Remo	ove victim to fre	sh air and keep at rest in a position
	comfortable for br	reathing.		

### 2.3. Other hazards

Component		
Glutaraldehyde (111-30-8)	This substance/mixture does not meet the PBT criteria of REACH, annex XIII This substance/mixture does not meet the vPvB criteria of 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 is 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

Component	
	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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

### **SECTION 3: Composition/Information on ingredients**

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glutaraldehyde substance listed as REACH Candidate (Glutaral)	CAS-No.: 111-30-8 EC-No.: 203-856-5 EC Index-No.: 605-022-00-X	10 – 25	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Aluminum sulfate	CAS-No.: 10043-01-3 REACH-no: 01-2119531538- 36	1 – 5	Eye Dam. 1, H318

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Copper sulphate pentahydrate	CAS-No.: 7758-99-8 EC-No.: 231-847-6 REACH-no: 01-2119520566- 40	1 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS-No.: 68424-85-1 EC-No.: 270-325-2	1 – 5	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10)

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 after inhalation : Assure fresh air breathing. Allow the victim to rest. Seek medical attention immediately.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water,

followed by warm water rinse. Seek medical advice.

First-aid measures after eye contact : Rinse immediately with plenty of water. Seek medical attention immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting because of corrosive effects. Take to hospital.

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

Symptoms/effects after inhalation : Breathing difficulties. Cough. Sore throat.

Symptoms/effects after skin contact : Causes burns. Redness, pain.

Symptoms/effects after eye contact : Blurred vision. Redness, pain. Tears. Risk of serious damage to eyes.

Symptoms/effects after ingestion : Burning sensation. Cough. Cramps. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Swallowing a small quantity of this material presents some

health hazard. Must not come into contact with food or be consumed.

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

No additional information available

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media can be used.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not combustible.

### 5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Exercise caution when fighting any chemical fire.

Firefighting instructions : Wear proper protective equipment. No naked lights. No smoking. Avoid (reject) fire-fighting

water to enter environment. Use water spray or fog for cooling exposed containers.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Flush/dilute with water.

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#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Collect spills and put it into appropriated container. Clean up any spills as soon as possible, using an absorbent material to collect it. Dilute residues and flush. Use suitable disposal containers.

#### 6.4. Reference to other sections

No additional information available

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling

: Ensure prompt removal from eyes, skin and clothing. Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Hygiene measures

: Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Protect from freezing.

Storage temperature

: < 50 °C

### 7.3. Specific end use(s)

No additional information available

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Gluta	arald	0 01/0	10 /11	14 2	n 01
GIUL	araiu	envo	ie i i	I I - 31	U=0 I

#### **USA - ACGIH - Occupational Exposure Limits**

ACGIH OEL Ceiling [ppm] 0.05 ppm

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

#### Glutaraldehyde (111-30-8)

#### **DNEL/DMEL (Workers)**

Acute - local effects, inhalation 0.5 mg/m³

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Glutaraldehyde (111-30-8)		
Long-term - local effects, inhalation	0.25 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.0025 mg/l Assessment factor: 10	
PNEC aqua (marine water)	0.00025 mg/l Assessment factor: 100	
PNEC aqua (intermittent, freshwater)	0.006 mg/l Assessment factor: 100	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.527 mg/kg dwt	
PNEC sediment (marine water)	0.0527 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.03 mg/kg dwt Assessment factor: 50	
PNEC (STP)		
PNEC sewage treatment plant	0.8 mg/l Assessment factor: 100	
Quaternary ammonium compounds, benzyl-C	12-16-alkyldimethyl, chlorides (68424-85-1)	
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	5.7 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	3.96 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	3.4 mg/kg bodyweight/day	
Long-term - systemic effects, dermal	3.4 mg/kg bodyweight/day	
Long-term - local effects, inhalation	1.64 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.0009 mg/l	
PNEC aqua (marine water)	0.00096 mg/l	
PNEC aqua (intermittent, freshwater)	0.00016 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	12.27 mg/kg dwt	
PNEC sediment (marine water)	13.09 mg/kg dwt	
PNEC (Soil)		
PNEC soil	7 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	0.4 mg/l	

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

### Appropriate engineering controls:

Local exhaust and general ventilation must be adequate to meet exposure standards.

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#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Protective goggles. protective clothing.

#### Personal protective equipment symbol(s):









#### 8.2.2.1. Eye and face protection

#### Eye protection:

Chemical goggles or face shield with safety glasses. Use eye protection to EN 166, designed to protect against liquid splashes

Eye protection				
Туре	Field of application	Characteristics	Standard	
Safety glasses, Safety goggles, Face shield	Droplet	clear, Plastic	EN 166	

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Protective clothing compliant with EN 943 part 2. If skin contact or contamination of clothing is likely, protective clothing should be worn.

Skin and body protection		
Туре	Standard	
	EN 943	

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Polyvinylchloride (PVC)	6 (> 480 minutes)	0.5	2 (< 1.5)	EN ISO 374

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Approved dust or mist respirator should be used if airborne particles are generated when handling this material.

### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Other information:

When using do not eat, drink or smoke. Provide local exhaust or general room ventilation.

### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid Color : Blue. Odor Aldehyde. Odor threshold Not available : Not available Melting point : -10 °C Freezing point : 96 °C Boiling point Flammability : Not available

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**Explosion limits** : Not available : Not available Lower explosive limit (LEL) Upper explosive limit (UEL) : Not available 100 °C Flash point Auto-ignition temperature Not available Decomposition temperature : Not available : ca 2.5 (100%) pН Viscosity, kinematic Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available : Not available Vapor pressure Vapor pressure at 50 °C Not available Density : 1.12 kg/l Relative density : Not available Relative vapor density at 20 °C : Not available Particle size : Not applicable Particle size distribution : Not applicable Particle shape : Not applicable : Not applicable Particle aspect ratio : Not applicable Particle aggregation state Particle agglomeration state : Not applicable Particle specific surface area : Not applicable Particle dustiness : Not applicable

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

High temperature may liberate dangerous gases.

#### 10.2. Chemical stability

No additional information available

#### 10.3. Possibility of hazardous reactions

None under normal conditions.

#### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Strong acids. strong oxidizing agents.

#### 10.6. Hazardous decomposition products

No additional information available

### **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

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Pediline	
LD50 oral	2640 mg/kg
Glutaraldehyde (111-30-8)	
LD50 oral	77 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	0.28 mg/l/4h
Quaternary ammonium compounds, benzy	-C12-16-alkyldimethyl, chlorides (68424-85-1)
LD50 oral	344 mg/kg
LD50 dermal	300 mg/kg
Skin corrosion/irritation	: Causes severe skin burns. pH: ca 2.5 (100%)
Serious eye damage/irritation	: Assumed to cause serious eye damage pH: ca 2.5 (100%)
Respiratory or skin sensitization	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
Glutaraldehyde (111-30-8)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

#### 11.2. Information on other hazards

No additional information available

### **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecology - general : This product contains hazardous components for the environment.

Hazardous to the aquatic environment, short-term : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic)

: Toxic to aquatic life with long lasting effects.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
LC50 - Other aquatic organisms [1]	0.03 mg/l Algae

### 12.2. Persistence and degradability

Pediline	
Persistence and degradability	The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
Biodegradation	100 %

### 12.3. Bioaccumulative potential

Glutaraldehyde (111-30-8)	
Partition coefficient n-octanol/water (Log Kow)	-0.36

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Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
Partition coefficient n-octanol/water (Log Kow)	2.96

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

Component	
Glutaraldehyde (111-30-8)	This substance/mixture does not meet the PBT criteria of REACH, annex XIII This substance/mixture does not meet the vPvB criteria of REACH, annex XIII

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations. Avoid release to the

environment.

Product/Packaging disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point.

### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number or ID number

 UN-No. (ADR)
 : UN 3265

 UN-No. (IMDG)
 : UN 3265

 UN-No. (IATA)
 : UN 3265

 UN-No. (ADN)
 : UN 3265

 UN-No. (RID)
 : UN 3265

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (;)

Proper Shipping Name (IMDG) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glutaraldehyde ; Quaternary

ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)

Proper Shipping Name (IATA) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glutaraldehyde ; Quaternary

ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)

Proper Shipping Name (ADN) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (;)
Proper Shipping Name (RID) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (;)

Transport document description (ADR) : UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (;), 8, III, (E),

ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glutaraldehyde ; Quaternary

ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides), 8, III, MARINE

POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glutaraldehyde ; Quaternary

 $ammonium\ compounds,\ benzyl-C12-16-alkyldimethyl,\ chlorides),\ 8,\ III,$ 

**ENVIRONMENTALLY HAZARDOUS** 

Transport document description (ADN) : UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (;), 8, III,

**ENVIRONMENTALLY HAZARDOUS** 

Transport document description (RID) : UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (;), 8, III,

**ENVIRONMENTALLY HAZARDOUS** 

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### 14.3. Transport hazard class(es)

### ADR

Transport hazard class(es) (ADR) : 8
Hazard labels (ADR) : 8



#### IMDG

Transport hazard class(es) (IMDG) : 8
Hazard labels (IMDG) : 8



#### IATA

Transport hazard class(es) (IATA) : 8
Hazard labels (IATA) : 8



#### ADN

Transport hazard class(es) (ADN) : 8
Hazard labels (ADN) : 8



#### RID

Transport hazard class(es) (RID) : 8
Hazard labels (RID) : 8



### 14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

#### 14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes

Other information : Clean up even minor leaks or spills if possible without unecessary risk.

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#### 14.6. Special precautions for user

Special transport precautions : The driver shall not attempt to deal with any fire of the load, No naked lights. No smoking,

Keep public away from danger area, NOTIFY POLICE AND FIRE BRIGADE

IMMEDIATELY.

Overland transport

Classification code (ADR) : C3
Special provision (ADR) : 274
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T7
Portable tank and bulk container special provisions : TP1, TP28

(ADR)

Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Hazard identification number (Kemler No.) : 80

Orange plates : 80

80 3265

Tunnel restriction code (ADR) : E

Transport by sea

Special provision (IMDG) : 223, 274 : 5 L Limited quantities (IMDG) Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P001, LP01 IBC03 IBC packing instructions (IMDG) Tank instructions (IMDG) T7 Tank special provisions (IMDG) TP1, TP28 EmS-No. (Fire) F-A

Emis-No. (File) : F-A
Ems-No. (Spillage) : S-B
Stowage category (IMDG) : A
MFAG-No : 154

Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) Y841 PCA limited quantity max net quantity (IATA) 1L PCA packing instructions (IATA) 852 PCA max net quantity (IATA) 5L CAO packing instructions (IATA) 856 CAO max net quantity (IATA) 60L Special provision (IATA) : A3 ERG code (IATA) 8L

Inland waterway transport

Classification code (ADN) : C3

Special provision (ADN) : 274

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : C3

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Special provision (RID) : 274 Limited quantities (RID) : 5L Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T7

Portable tank and bulk container special provisions : TP1, TP28

(RID)

Tank codes for RID tanks (RID) : L4BN
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 80

#### 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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains substance on the candidate list in concentration ≥ 0.1% or with a lower specific limit: Glutaral (EC 203-856-5, CAS 111-30-8) Contains no REACH Annex XIV substances.

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

#### **SECTION 16: Other information**

Other information

: The information provided in this Technical Safety Data Sheet is correct to the best of our knowledge and while we endeavor to keep the information up to date and correct according to the state of the art, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability or suitability with respect to the information contained in this technical data sheet. Any reliance you place on such information is therefore strictly at your own risk. In no event will we be liable for any loss or damage (including, without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from loss of profits) arising out of, or in connection with, the use of this information and /or the use, handling, processing or storage of the product. Always consult the Safety Data Sheet and product label for more info about security.

Full text of H- and EUH-phrases:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhalation) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1

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Full text of H- and EUH-phrases:	
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

### SDS\_U

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.