

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

### 1.1. Product identifier

Product form : Mixtures  
Product name : Keno™ san  
Product code : 8

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use  
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  
Waterpoortstraat, 2  
B-8900 Ieper - Belgique  
T + 32 57 21 78 77 - F +32 57 21 78 79  
[sds@cidlines.com](mailto:sds@cidlines.com) - <http://www.cidlines.com>

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
	<a href="http://www.who.int/ipcs/poisons/centre/directory/en">www.who.int/ipcs/poisons/centre/directory/en</a>		
Australia	Poisons Information Centre		13 11 26
Belgium	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B - 1120 Brussels	+32 70 245 245
Canada	CANUTEC		(613) 996-6666
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	112 16662
Finland	Poison Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	112
Netherlands	Nationaal Vergiftigen Informatie Centrum Uitsluitend bestemd om artsen te informeren bij accidentele vergiftigen	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
Switzerland	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre, Schweizerisches Toxicologisches Informationszentrum STIZ	Freiestrasse 16 Postfach CH-8032 Zurich	+41 44 251 51 51 (International) 145 (National)
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
USA	American Association of Poison Control Centers		1-800-222-1222

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Skin Corr. 1A H314  
Eye Dam. 1 H318

Full text of hazard classes and H-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

Hazard statements (CLP) :

H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) :

P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
 P303 - IF ON SKIN (or hair): Remove immediately all contaminated clothing. Wash with plenty of soap and water.  
 P305 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician Specific treatment.  
 P363 - Wash contaminated clothing before reuse  
 P301+P330+P331+P310+P321: Rinse mouth Do NOT induce vomiting Immediately call a POISON CENTER or doctor/physician Specific treatment.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	% w/w	Classification according to Directive 67/548/EEC
Sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 11-002-00-6 (REACH-no) 01-2119457892-27	5 - 15	C; R35
2-(2-butoxyethoxy)ethanol	(CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8 (REACH-no) 01-2119475104-44	5 - 15	Xi; R36
Amines, N-C8-22-alkyltrimethylenedi-, acrylated, sodium salts	(CAS-No.) 97659-50-2 (EC-No.) 307-455-7 (REACH-no) Pre-registered	1 - 5	Xi; R36
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	(CAS-No.) 68439-57-6 (EC-No.) 270-407-8 (REACH-no) 01-2119513401-57	1 - 5	Xi; R41 Xi; R38

Name	Product identifier	% w/w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 11-002-00-6 (REACH-no) 01-2119457892-27	5 - 15	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
2-(2-butoxyethoxy)ethanol	(CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8 (REACH-no) 01-2119475104-44	5 - 15	Eye Irrit. 2, H319
Amines, N-C8-22-alkyltrimethylenedi-, acrylated, sodium salts	(CAS-No.) 97659-50-2 (EC-No.) 307-455-7 (REACH-no) Pre-registered	1 - 5	Eye Irrit. 2, H319
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	(CAS-No.) 68439-57-6 (EC-No.) 270-407-8 (REACH-no) 01-2119513401-57	1 - 5	Eye Dam. 1, H318 Skin Irrit. 2, H315

Full text of R- and H-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.

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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

No additional information available

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

No additional information available

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

Reactivity : None under normal conditions.

### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## 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.

#### 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

For containment : Collect spills and put it into appropriated container.

### 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 : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

### 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. Do not store in corrodable metal.

Storage area : Germany: Storage class (LGK): 8B - Non-combustible corrosive substances.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Sodium hydroxide (1310-73-2)		
Austria	MAK (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (einatembare Fraktion)
Austria	MAK Short time value (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> max. 8x5 min./Schicht (einatembare Fraktion) (gemessen als Momentanwert)
Belgium	Local name	Sodium (hydroxyde de)
Belgium	Limit value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Belgium	Remark (BE)	M
Finland	HTP-arvo (15 min)	2 mg/m <sup>3</sup>
France	VLE (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Latvia	OEL STEL (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Spain	VLA-EC (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
United Kingdom	Local name	Sodium hydroxide

<b>Sodium hydroxide (1310-73-2)</b>		
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Switzerland	VME (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Switzerland	VLE (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA - ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA - NIOSH	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>		
Belgium	Local name	2-(2-Butoxyéthoxy)éthanol
Belgium	Limit value (mg/m <sup>3</sup> )	67.5 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	10 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	101.2 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	15 ppm
Germany	Local name	2-(2-Butoxyethoxy)ethanol
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	67 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	10 ppm
Germany	Remark (TRGS 900)	EU,DFG,Y,11
United Kingdom	Local name	2-(2-Butoxyethoxy)ethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	67.5 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	10 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	101.2 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	15 ppm

<b>Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts (68439-57-6)</b>	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	mg/kg bodyweight/day
Long-term - systemic effects, dermal	2158.33 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	152.22 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	12.95 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	45.04 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1295 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.024 mg/l Assessment factor: 50
PNEC aqua (marine water)	0.0024 mg/l Assessment factor: 500
PNEC aqua (intermittent, freshwater)	0.0197 mg/l Assessment factor: 100
PNEC (Sediment)	
PNEC sediment (freshwater)	0.767 mg/kg dwt Assessment factor: 1000
PNEC sediment (marine water)	0.0767 mg/kg dwt Assessment factor: 10000
PNEC (Soil)	
PNEC soil	1.21 mg/kg dwt Assessment factor: 100
PNEC (STP)	
PNEC sewage treatment plant	4 mg/l Assessment factor: 10

<b>Sodium hydroxide (1310-73-2)</b>	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m <sup>3</sup>
<b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	101.2 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	20 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	67.5 mg/m <sup>3</sup>
Long-term - local effects, inhalation	67.5 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - local effects, inhalation	50.6 mg/m <sup>3</sup>
Long-term - systemic effects,oral	1.25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	34 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	10 mg/kg bodyweight/day

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2-(2-butoxyethoxy)ethanol (112-34-5)	
Long-term - local effects, inhalation	34 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l Assessment factor: 100
PNEC aqua (marine water)	0.1 mg/l Assessment factor: 1000
PNEC aqua (intermittent, freshwater)	3.9 mg/l Assessment factor: 100
PNEC (Sediment)	
PNEC sediment (freshwater)	4 mg/kg dwt
PNEC sediment (marine water)	0.4 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.4 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0.000056 kg/kg food Assessment factor: 90
PNEC (STP)	
PNEC sewage treatment plant	200 mg/l Assessment factor: 10

### 8.2. Exposure controls

#### Personal protective equipment:

Protective goggles. Protective clothing. Gloves. Insufficient ventilation: wear respiratory protection. Face shield.

#### Hand protection:

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

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

#### Eye protection:

Field of use: B:B. Mechanical Strength: 3:3

Type	Use	Characteristics	Standard
Safety glasses, Safety goggles	Droplet	clear, Plastic	EN 166

#### Skin and body protection:

Wear suitable protective clothing. Protective clothing compliant with EN 943 part 2

Type	Standard
	EN 943

#### Respiratory protection:

Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material. Full-/half-/quarter-face masks (DIN EN 136/140)

Device	Filter type	Condition	Standard
Full face mask	Filter type A/P2	Long term exposure, Vapour protection	EN 132, EN 140



#### Other information:

When using, do not eat, drink or smoke. Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Yellow-brown.
Odour	: No data available
Odour threshold	: No data available
pH	: ca. 12.5 (1%)
Relative evaporation rate (butylacetate=1)	: No data available

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Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ca 1.075 kg/l
Solubility	: Complete.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 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

No additional information available

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Corrosive to eyes, respiratory system and skin.
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: ca. 12.5 (1%)
Serious eye damage/irritation	: Causes serious eye damage. pH: ca. 12.5 (1%)
Respiratory or skin sensitisation	: Corrosive
Germ cell mutagenicity	: Not applicable
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration hazard	: No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

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### 12.2. Persistence and degradability

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Persistence and degradability

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

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. 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.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : 3267  
UN-No. (IMDG) : 3267  
UN-No. (IATA) : 3267  
UN-No. (ADN) : 3267  
UN-No. (RID) : 3267

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)  
Proper Shipping Name (IMDG) : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)  
Proper Shipping Name (IATA) : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)  
Proper Shipping Name (ADN) : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)  
Proper Shipping Name (RID) : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)  
Transport document description (ADR) : UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide), 8, III, (E)  
Transport document description (IMDG) : UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide), 8, III  
Transport document description (IATA) : UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide), 8, III  
Transport document description (ADN) : UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide), 8, III  
Transport document description (RID) : UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide), 8, III

### 14.3. Transport hazard class(es)

#### ADR

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



#### IMDG

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



#### IATA

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



### ADN

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



### RID

Transport hazard class(es) (RID) : 8  
Danger 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 : No  
Marine pollutant : No  
Other information : Clean up even minor leaks or spills if possible without unnecessary risk.

#### 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) : C7  
Special provisions (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 (ADR) : TP1, TP28  
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

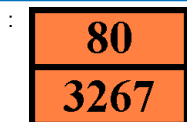


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Orange plates



Tunnel restriction code (ADR) : E  
EAC code : 2X  
APP code : B

### - Transport by sea

Special provisions (IMDG) : 223, 274  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T7  
Tank special provisions (IMDG) : TP1, TP28  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-B  
Stowage category (IMDG) : A  
Stowage and handling (IMDG) : SW2  
Segregation (IMDG) : SG35  
MFAG-No : 153

### - 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 provisions (IATA) : A3  
ERG code (IATA) : 8L

### - Inland waterway transport

Classification code (ADN) : C7  
Special provisions (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) : C7  
Special provisions (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 (RID) : TP1, TP28  
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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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 no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed.

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : Amines, N-C8-22-alkyltrimethylenedi-, acrylated, sodium salts ,Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts are listed

SZW-lijst van mutagene stoffen : Amines, N-C8-22-alkyltrimethylenedi-, acrylated, sodium salts ,Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

##### Norway

Declaration number : P-319646

### 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 R-, H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

H319	Causes serious eye irritation
R35	Causes severe burns
R36	Irritating to eyes
R38	Irritating to skin
R41	Risk of serious damage to eyes
C	Corrosive
Xi	Irritant

SDS EU CLP DPD

*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*