

EU safety data sheet

Trade name: KRONES colclean MC 1001

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 03.07.2020

Region: GB

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

1.1 Product identifier

Trade name

KRONES colclean MC 1001

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

Relevant identified uses of the substance or mixture

Cleaning agent

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling

Telephone no. +49 9401 70-3020
Fax no. +49 9401 70-3696
e-mail kic@kic-krones.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Eye Dam. 1; H318

Skin Corr. 1; H314

Skin Sens. 1; H317

Classification information

Product is classified as "Corrosive" based on the extreme pH-value, see:

- Regulation 1272/2008 (CLP), Annex. I, number 3.2.2.2 / 3.2.3.1.2

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS05



GHS07

Signal word

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Danger

Hazardous component(s) to be indicated on label:

Isotridecanol, ethoxylated
Orange, sweet, ext.

Hazard statement(s)

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P260 Do not breathe mist/vapours/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

2.3 Other hazards

PBT assessment
The product is not considered to be a PBT.
vPvB assessment
The product is not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	Isotridecanol, ethoxylated		
	9043-30-5 - - -	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 5.00 - < 10.00 wt%
2	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt		
	1474044-66-0 939-625-7 - 01-2119985168-23	Acute Tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315	< 5.00 wt%
3	Orange, sweet, ext.		
	8028-48-6 232-433-8 - 01-2119493353-35	Asp. Tox. 1; H304 Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	< 2.50 wt%
4	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		
	- 931-292-6 - 01-2119490061-47	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Irrit. 2; H315	< 2.50 wt%
5	sodium hydroxide		
	1310-73-2 215-185-5	Skin Corr. 1A; H314 Met. Corr. 1; H290	< 2.50 wt%

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011-002-00-6 01-2119457892-27	Eye Dam. 1; H318		
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Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
5	-	Skin Irrit. 2; H315: C >= 0.5% Eye Irrit. 2; H319: C >= 0.5% Skin Corr. 1B; H314: C >= 2% Skin Corr. 1A; H314: C >= 5%	-	-

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
2	1999 mg/kg bodyweight		
4	1064 mg/kg bodyweight		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation. Call a doctor immediately.

After skin contact

Wash immediately with plenty of water for several minutes. Seek medical attention.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

burns

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

All quenching (arc-extinguishing) media available. Extinguishing measures to suit surroundings.

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide; Sulphur oxides (SxOy); Nitrogen oxides (NOx)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion and/or combustion byproducts. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing. Ensure adequate ventilation. Remove persons to safety.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Use barrier skin cream. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original. Provide acid-resistant floor.

Incompatible products

Substances to be avoided, see section 10. Do not store together with: Metals; Alkalies; Reducing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	sodium hydroxide	1310-73-2	215-185-5
List of approved workplace exposure limits (WELs) / EH40			
Sodium hydroxide			
	WEL short-term (15 min reference period)	2	mg/m ³

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name	CAS / EC no
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	Route of exposure	Exposure time	Effect	Value
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt			1474044-66-0 939-625-7
	dermal	Long term (chronic)	systemic	430 mg/kg/day
	inhalative	Long term (chronic)	systemic	30.32 mg/m ³
2	Orange, sweet, ext.			8028-48-6 232-433-8
	dermal	Short term (acut)	local	185.8 µg/cm ²
	dermal	Long term (chronic)	systemic	8.89 mg/kg/day
	inhalative	Long term (chronic)	systemic	31.1 mg/m ³
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides			- 931-292-6
	dermal	Long term (chronic)	systemic	11 mg/kg/day
	inhalative	Long term (chronic)	systemic	6.2 mg/m ³
4	sodium hydroxide			1310-73-2 215-185-5
	inhalative	Long term (chronic)	local	1 mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt			1474044-66-0 939-625-7
	oral	Long term (chronic)	systemic	2.15 mg/kg/day
	dermal	Long term (chronic)	systemic	215 mg/kg/day
	inhalative	Long term (chronic)	systemic	7.48 mg/m ³
2	Orange, sweet, ext.			8028-48-6 232-433-8
	oral	Long term (chronic)	systemic	4.44 mg/kg/day
	dermal	Short term (acut)	local	92.9 µg/cm ²
	dermal	Long term (chronic)	systemic	4.44 mg/kg/day
	inhalative	Long term (chronic)	systemic	7.78 mg/m ³
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides			- 931-292-6
	oral	Long term (chronic)	systemic	0.44 mg/kg/day
	dermal	Long term (chronic)	systemic	5.5 mg/kg/day
	inhalative	Long term (chronic)	systemic	1.53 mg/m ³
4	sodium hydroxide			1310-73-2 215-185-5
	inhalative	Long term (chronic)	local	1 mg/m ³

PNEC values

No	Substance name		CAS / EC no
	ecological compartment	Type	Value
1	Orange, sweet, ext.		8028-48-6 232-433-8
	water	fresh water	5.4 µg/L
	water	marine water	0.54 µg/L
	water	Aqua intermittent	5.77 µg/L
	water	fresh water sediment	1.3 mg/kg dry weight
	water	marine water sediment	0.13 mg/kg dry weight
	soil	-	0.261 mg/kg dry weight
	sewage treatment plant	-	2.1 mg/L
	secondary poisoning	-	13.3 mg/kg food
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		- 931-292-6
	water	fresh water	0.034 mg/L
	water	marine water	0.003 mg/L

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water	Aqua intermittent	0.034	mg/L
water	fresh water sediment	5.24	mg/kg dry weight
water	marine water sediment	0.524	mg/kg dry weight
soil	-	1.02	mg/kg dry weight
sewage treatment plant	-	24	mg/L
secondary poisoning	-	11.1	mg/kg food

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respiratory filter (gas) : ABEK

Eye / face protection

Safety glasses with side protection shield (EN 166); Tightly fitting safety glasses (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>=	0.5	
Breakthrough time	>=	480	min
Appropriate Material	viton		
Material thickness	>=	0.4	
Breakthrough time	>=	480	min
Appropriate Material	nitrile rubber		
Material thickness	>=	0.35	mm
Breakthrough time	>=	480	min

Other

Acid-resistant protective clothing

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form/Colour	
liquid	
yellowish	
Odour	
characteristic	
pH value	
Value	12.9

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Boiling point / boiling range			
Value	>	100	°C
Melting point/freezing point			
Value	<	0	°C
Decomposition temperature			
No data available			
Flash point			
No data available			
Ignition temperature			
No data available			
Auto-ignition temperature			
Comments	Product is not selfigniting.		
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
Value		1.01	
Density			
No data available			
Solubility in water			
Comments	Completely miscible		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
	log Pow		-0.7
	Reference temperature		20 °C
	Method	OECD 107	
	Source	ECHA	
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
	log Pow		< 2.7
	Method	calculated	
	Source	ECHA	
Viscosity			
No data available			
Particle characteristics			
No data available			

9.2 Other information

Other information

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No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Reactions with metals, with evolution of hydrogen.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Metals; Acids; Oxidizing agents; Halogenated compounds

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information

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

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	KRONES colclean MC 1001
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
LD50	>	1550	mg/kg bodyweight
Species	rat		
Source	ECHA		
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
LD50		1064	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
LD50	>	2001	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation	
No	Product Name
1	KRONES colclean MC 1001

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Comments Evaluation	pH >= 11,5 corrosive
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Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7

Species	rabbit
Method	16 CFR 1500.42
Source	ECHA
Evaluation	irritant

2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
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Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	corrosive

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7

Route of exposure	Skin
Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing

2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
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Route of exposure	Skin
Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing

3	sodium hydroxide	1310-73-2	215-185-5
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Route of exposure	Skin
Species	Human
Source	ECHA
Evaluation	non-sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.

Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7

Species	Salmonella typhimurium TA98, TA100, TA102, TA1535, TA1537
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
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Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Reproduction toxicity

No	Substance name	CAS no.	EC no.
1	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6

Species	rat
Method	OECD 422
Source	ECHA

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Evaluation/classification	Based on available data, the classification criteria are not met.
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Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Species		rat	
Method		OECD 451	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Route of exposure		oral	
Species		rat	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard	
No data available	

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
LC50		>	100 mg/l
Duration of exposure		96	h
Species		Danio rerio	
Method		OECD 203	
Source		ECHA	
2	Orange, sweet, ext.	8028-48-6	232-433-8
LC50		5.65	mg/l
Duration of exposure		96	h
Species		Danio rerio	
Method		OECD 203	
Source		ECHA	
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
LC50		2.67	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		APHA Standard Method (1971)	
Source		ECHA	
Toxicity to fish (chronic)			
No data available			

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Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Orange, sweet, ext.	8028-48-6	232-433-8
EC50		1.1	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
EC50		10.5	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	sodium hydroxide	1310-73-2	215-185-5
EC50		40.4	mg/l
Duration of exposure		48	h
Species	Ceriodaphnia spec		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
EC50		>	100
Duration of exposure			72
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	Orange, sweet, ext.	8028-48-6	232-433-8
ErC50		150	mg/l
Duration of exposure		72	h
Species	Desmodismus subspicatus		
Method	OECD 201		
Source	ECHA		
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
ErC50		0.86	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
Value		89.7	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		

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Evaluation	readily biodegradable		
2	Orange, sweet, ext.	8028-48-6	232-433-8
Source Evaluation	ECHA readily biodegradable		
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Value		90	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		

Abiotic Degradation			
No	Substance name	CAS no.	EC no.
1	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Type	Hydrolysis		
Method	OECD 111		
Source	ECHA		
Evaluation/classification	stable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Orange, sweet, ext.	8028-48-6	232-433-8
BCF		32	- 156
Source	ECHA		

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
log Pow		-0.7	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
log Pow		<	2.7
Method	calculated		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

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Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	8
Classification code	C5
Packing group	II
Hazard identification no.	80
UN number	UN3266
Proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Technical name	sodium hydroxide
Tunnel restriction code	E
Label	8

14.2 Transport IMDG

Class	8
Packing group	II
UN number	UN3266
Proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Technical name	sodium hydroxide
EmS	F-A, S-B
Label	8

14.3 Transport ICAO-TI / IATA

Class	8
Packing group	II
UN number	UN3266
Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s.
Technical name	sodium hydroxide
Label	8

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject

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to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3
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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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