



Safety Data Sheet according to (EC) No 1907/2006 as amended

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BONDERITE C-MC 118 ACID MAINTENANCE CLEANER

SDS No. : 405265
V005.1

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

1.1. Product identifier

BONDERITE C-MC 118 ACID MAINTENANCE CLEANER

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

Intended use:

Cleaners for Industrial Application

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

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Germany

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For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or www.henkel-adhesives.com.

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Skin irritation

Category 2

H315 Causes skin irritation.

Serious eye irritation

Category 2

H319 Causes serious eye irritation.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Signal word:

Warning

Hazard statement:	H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statement:	P280 Wear protective gloves/eye protection.
Prevention	

2.3. Other hazards

None if used properly.

Following substances are present in a concentration \geq the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration \geq the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No. EC Number REACH-Reg No.	Concentration	Classification	Specific Conc. Limits, M-factors and ATEs	Add. Information
Sodium p-cumenesulphonate 15763-76-5 239-854-6 01-2119489411-37	1- < 5 %	Eye Irrit. 2, H319		
Alcohols, C9-11-iso-, C10-rich, 5EO 78330-20-8	1- < 3 %	Eye Dam. 1, H318 Acute Tox. 4, Oral, H302		
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3 500-234-8 500-234-8 01-2119488639-16	1- < 3 %	Aquatic Chronic 3, H412 Skin Irrit. 2, H315 Eye Dam. 1, H318	Eye Irrit. 2; H319; C 5 - < 10 % Eye Dam. 1; H318; C \geq 10 %	
Potassium hydroxide 1310-58-3 215-181-3 01-2119487136-33	0,1- < 1 %	Skin Corr. 1A, H314 Acute Tox. 4, Oral, H302 Met. Corr. 1, H290	Skin Corr. 1A; H314; C \geq 5 % Skin Corr. 1B; H314; C 2 - < 5 % Skin Irrit. 2; H315; C 0,5 - < 2 % Eye Irrit. 2; H319; C 0,5 - < 2 %	

For full text of the H - statements and other abbreviations see section 16 "Other information".

Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to Detergent Regulation 648/2004/EC

< 5 %	non-ionic surfactants anionic surfactants phosphates
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

IF ON SKIN: Wash with plenty of soap and water.

In case of adverse health effects seek medical advice.

Eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

In case of adverse health effects seek medical advice.

Ingestion:

Drink 1-2 glasses of water, do not induce vomiting, administer an antifoaming agent (sab simplex), seek medical attention.

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

EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

Water spray jet

Carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in fires.

5.3. Advice for firefighters

Wear protective equipment.

Wear self-contained breathing apparatus.

Additional information:

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Danger of slipping on spilled product.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Dispose of contaminated material as waste according to Section 13.

Remove with liquid-absorbing material (sand, peat, sawdust).

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid skin and eye contact.

Ensure that workrooms are adequately ventilated.

See advice in section 8

When diluting/dissolving always slowly stir the product into water. Do not add product to hot water or hot solutions. Heating with vigorous, sudden delayed boiling is possible! Scalding hazard!

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container.

Do not use packing made of metal.

Keep container in a well ventilated place.

Keep container tightly sealed.

Store in a cool, frost-free place.

Must be stored in a room with spill collection facilities.

Do not store together with strong acids.

7.3. Specific end use(s)

Cleaners for Industrial Application

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

Valid for

Germany

None

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Sodium p-cumenesulphonate 15763-76-5	aqua (freshwater)		0,23 mg/l				
Sodium p-cumenesulphonate 15763-76-5	aqua (intermittent releases)		2,3 mg/l				
Sodium p-cumenesulphonate 15763-76-5	sewage treatment plant (STP)		100 mg/l				
Sodium p-cumenesulphonate 15763-76-5	aqua (marine water)		0,023 mg/l				
Sodium p-cumenesulphonate 15763-76-5	sediment (freshwater)				0,862 mg/kg		
Sodium p-cumenesulphonate 15763-76-5	sediment (marine water)				0,0862 mg/kg		
Sodium p-cumenesulphonate 15763-76-5	Soil				0,037 mg/kg		
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	aqua (freshwater)		0,24 mg/l				
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	aqua (marine water)		0,024 mg/l				
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	aqua (intermittent releases)		0,071 mg/l				
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	sewage treatment plant (STP)		10000 mg/l				
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	sediment (freshwater)				0,9168 mg/kg		
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	sediment (marine water)				0,09168 mg/kg		
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	Soil				7,5 mg/kg		

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Sodium p-cumenesulphonate 15763-76-5	Workers	dermal	Long term exposure - systemic effects		191 mg/kg	
Sodium p-cumenesulphonate 15763-76-5	Workers	inhalation	Long term exposure - systemic effects		37,4 mg/m3	
Sodium p-cumenesulphonate 15763-76-5	Workers	dermal	Long term exposure - local effects		0,096 mg/cm2	
Sodium p-cumenesulphonate 15763-76-5	General population	dermal	Long term exposure - systemic effects		68,1 mg/kg	
Sodium p-cumenesulphonate 15763-76-5	General population	inhalation	Long term exposure - systemic effects		6,6 mg/m3	
Sodium p-cumenesulphonate 15763-76-5	General population	oral	Long term exposure - systemic effects		3,8 mg/kg	
Sodium p-cumenesulphonate 15763-76-5	General population	dermal	Long term exposure - local effects		0,048 mg/cm2	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	Workers	dermal	Long term exposure - systemic effects		2750 mg/kg	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	Workers	inhalation	Long term exposure - systemic effects		175 mg/m3	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	General population	dermal	Long term exposure - systemic effects		1650 mg/kg	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	General population	inhalation	Long term exposure - systemic effects		52 mg/m3	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	General population	oral	Long term exposure - systemic effects		15 mg/kg	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	Workers	dermal	Long term exposure - local effects		0,132 mg/cm2	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	General population	dermal	Long term exposure - local effects		0,079 mg/cm2	
Potassium hydroxide 1310-58-3	Workers	inhalation	Long term exposure - local effects		1 mg/m3	
Potassium hydroxide 1310-58-3	General population	inhalation	Long term exposure - local effects		1 mg/m3	

Biological Exposure Indices:

None

8.2. Exposure controls:

Engineering controls:

Ensure good ventilation/suction at the workplace.

Respiratory protection:

In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).

This recommendation should be matched to local conditions.

Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Protective eye equipment should conform to EN166.
Protective goggles

Skin protection:

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.
Suitable protective clothing

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Delivery form	liquid
Colour	colourless
Odor	odourless
Melting point	Not applicable, Product is a liquid
Solidification temperature	< 0 °C (< 32 °F)
Initial boiling point	> 100 °C (> 212 °F)
Flammability	The product is not flammable.
Explosive limits	Not applicable, The product is not flammable.
Flash point	> 100 °C (> 212 °F)
Auto-ignition temperature	Not applicable, Aqueous solution
Decomposition temperature	Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use
pH (20 °C (68 °F); Conc.: 100 % product)	11,1 PH-value, potentiometer
pH (20 °C (68 °F); Conc.: 100 % product)	10,8 - 11,4 PH-value, potentiometer
Viscosity (kinematic)	Currently under determination
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Miscible
Partition coefficient: n-octanol/water	Not applicable
Vapour pressure (20 °C (68 °F))	Mixture 23,4 mbar
Density (20 °C (68 °F))	1,020 - 1,040 g/cm ³ Density, oscillation
Relative vapour density: (20 °C)	< 1
Particle characteristics	Not applicable Product is a liquid

9.2. Other information

Other information not applicable for this product

SECTION 10: Stability and reactivity

10.1. Reactivity

Reaction with strong acids.

Reacts with water: generation of heat.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

None if used for intended purpose.

In case of fire toxic gases can be released.

SECTION 11: Toxicological information

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

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Sodium p-cumenesulphonate 15763-76-5	LD50	3.346 mg/kg	rat	EPA OTS 798.1175 (Acute Oral Toxicity)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	LD50	2.870 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Potassium hydroxide 1310-58-3	LD50	388 mg/kg	rat	OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Sodium p-cumenesulphonate 15763-76-5	LD50	> 2.000 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Alcohols, C9-11-iso-, C10-rich, 5EO 78330-20-8	LD50	> 2.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	LD50	> 2.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
Sodium p-cumenesulphonate 15763-76-5	LC50	> 6,41 mg/l	dust/mist	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Sodium p-cumenesulphonate 15763-76-5	not irritating	24 h	rabbit	Draize Test
Alcohols, C9-11-iso-, C10-rich, 5EO 78330-20-8	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Potassium hydroxide 1310-58-3	corrosive	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Sodium p-cumenesulphonate 15763-76-5	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Alcohols, C9-11-iso-, C10-rich, 5EO 78330-20-8	corrosive		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	highly irritating	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Potassium hydroxide 1310-58-3	corrosive		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Sodium p-cumenesulphonate 15763-76-5	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Potassium hydroxide 1310-58-3	not sensitising	Intracutaneous test	guinea pig	Landsteiner & Jacobs Method

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Sodium p-cumenesulphonate 15763-76-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		EPA OTS 798.5265 (The Salmonella typhimurium Bacterial Reverse Mutation Test)
Sodium p-cumenesulphonate 15763-76-5	negative	in vitro mammalian chromosome aberration test	with and without		EPA OPPTS 870.5375 (In Vitro Mammalian Chromosome Aberration)
Sodium p-cumenesulphonate 15763-76-5	negative	mammalian cell gene mutation assay	with and without		EPA OPPTS 870.5300 (Detection of Gene Mutations in Somatic Cells in Culture)
Sodium p-cumenesulphonate 15763-76-5	negative	sister chromatid exchange assay in mammalian cells	with and without		EPA OPPTS 870.5900 (In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Potassium hydroxide 1310-58-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Sodium p-cumenesulphonate 15763-76-5	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	negative	oral: gavage		mouse	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Carcinogenicity

No data available.

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
Sodium p-cumenesulphonate 15763-76-5	NOAEL P 300 mg/kg NOAEL F1 1.000 mg/kg	screening	oral: gavage	rat	OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	NOAEL P 300 mg/kg NOAEL F1 300 mg/kg	Two generation study	oral: drinking water	rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Sodium p- cumenesulphonate 15763-76-5	NOAEL > 763 mg/kg	oral: feed	90 d daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	NOAEL 225 mg/kg	oral: gavage	90 days once daily, 5 times a week	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard:

No data available.

11.2 Information on other hazards

not applicable

SECTION 12: Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

The biodegradability of the surfactants contained in the product is in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

The surfactants contained in the products are primary biodegradable to at least 90% on average.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Sodium p-cumenesulphonate 15763-76-5	LC50	> 100 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Alcohols, C9-11-iso-, C10-rich, 5EO 78330-20-8	LC50	1 - 10 mg/l	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	LC50	7,1 mg/l	96 h	Danio rerio (reported as Brachydanio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	NOEC	0,2 mg/l	28 d	Oncorhynchus mykiss	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
Potassium hydroxide 1310-58-3	LC50	80 mg/l	96 h	Western mosquitofish (Gambusia affinis)	not specified

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Sodium p-cumenesulphonate 15763-76-5	EC50	> 100 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Alcohols, C9-11-iso-, C10-rich, 5EO 78330-20-8	EC50	10 - 100 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	EC50	7,2 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Potassium hydroxide 1310-58-3	EC50	> 100 mg/l		Daphnia sp.	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	NOEC	0,27 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Sodium p-cumenesulphonate 15763-76-5	EC50	> 100 mg/l	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Alcohols, C9-11-iso-, C10- rich, 5EO 78330-20-8	EC50	10 - 100 mg/l	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	EC50	27,7 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	NOEC	0,95 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	EC10	> 10.000 mg/l	16 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm- Test)
Potassium hydroxide 1310-58-3	EC0	> 100 mg/l	30 min		not specified

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Sodium p-cumenesulphonate 15763-76-5	readily biodegradable	aerobic	99,8 %	28 day	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Alcohols, C9-11-iso-, C10- rich, 5EO 78330-20-8	readily biodegradable	aerobic	> 60 %	28 day	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	readily biodegradable	aerobic	100 %	28 d	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Temperature	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	0,3	23 °C	OECD Guideline 123 (Partition Coefficient (1-Octanol / Water), Slow-Stirring Method)

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Sodium p-cumenesulphonate 15763-76-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Alcohols, C9-11-iso-, C10-rich, 5EO 78330-20-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Alcohols, C12-14, ethoxylated, sulfates, sodium salts >1< 2.5 EO 68891-38-3	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Potassium hydroxide 1310-58-3	According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances.

12.6. Endocrine disrupting properties

not applicable

12.7. Other adverse effects

If acidic or alkaline products are discharged into wastewater installations care must be taken that the discharged wastewater has a pH in the range pH 6 - 10, as pH variations could cause disorders in wastewater channels and biological sewage treatment plants. The local discharge regulations take precedence.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

EWC/EAK 070608

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information

- 14.1. UN number or ID number**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 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

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable
VOC content (2010/75/EU)	0,8 %

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK:	WGK 1: slightly hazardous to water (Ordinance on facilities for handling substances that are hazardous to water (AwSV)) Classification according to AwSV, Annex 1 (5.2)
Storage class according to TRGS 510:	10

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

ED:	Substance identified as having endocrine disrupting properties
EU OEL:	Substance with a Union workplace exposure limit
EU EXPLD 1:	Substance listed in Annex I, Reg (EC) No. 2019/1148
EU EXPLD 2	Substance listed in Annex II, Reg (EC) No. 2019/1148
SVHC:	Substance of very high concern (REACH Candidate List)
PBT:	Substance fulfilling persistent, bioaccumulative and toxic criteria
PBT/vPvB:	Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria
vPvB:	Substance fulfilling very persistent and very bioaccumulative criteria

Further information:

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This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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