



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

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SDS No. : 392347  
V004.2

BONDERITE C-MC 1030 ACID MEMBRANE CLEANER

Revision: 25.08.2022

printing date: 24.12.2022

Replaces version from: 04.05.2021

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

#### 1.1. Product identifier

BONDERITE C-MC 1030 ACID MEMBRANE CLEANER

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

Intended use:

Product for industrial surface treatment

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

Henkel AG & Co. KGaA

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40589 Düsseldorf

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](http://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):

Carcinogenicity

H350 May cause cancer.

Category 1B

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



##### Contains

Sodium N-(hydroxymethyl)glycinate

##### Signal word:

Danger

<b>Hazard statement:</b>	H350 May cause cancer.
<b>Supplemental information</b>	Contains: Sodium N-(hydroxymethyl)glycinate May produce an allergic reaction. Restricted to professional users.
<b>Precautionary statement: Prevention</b>	P201 Obtain special instructions before use.
<b>Precautionary statement: Response</b>	P308+P313 IF exposed or concerned: Get medical advice/attention.

### 2.3. Other hazards

None if used properly.  
Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**Following substances are present in a concentration  $\geq 0,1\%$  and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):**

This mixture does not contain any substances in concentration  $\geq$  the concentration limit 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
(2-Methoxymethylethoxy)propanol 34590-94-8 252-104-2 01-2119450011-60	5- < 10 %			EU OEL
Sodium N-(hydroxymethyl)glycinate 70161-44-3 274-357-8 01-2120130813-64	0,1- < 1 %	Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335 Eye Irrit. 2, H319 Skin Sens. 1, H317 Acute Tox. 4, Oral, H302 Acute Tox. 4, Inhalation, H332 Skin Irrit. 2, H315	oral:ATE = 1.100 mg/kg inhalation:ATE = 3 mg/l;dust/mist	

**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
contains	phosphonates
	preservation agents
Preservatives:	Sodium N-(hydroxymethyl)glycinate

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

Fresh air, oxygen supply, warmth; seek specialist medical attention.

**Skin contact:**

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

**Ingestion:**

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

No data available.

**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:**

All common extinguishing agents are suitable.

**Extinguishing media which must not be used for safety reasons:**

None known

**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

**Hygiene measures:**

Wash hands before work breaks and after finishing work.  
Do not eat, drink or smoke while working.

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

Store only in the original container.

Frost-sensitive

Alterations are reversible after warming to room temperature.

The alterations have no negative influence on the product quality and stability.

Close the container carefully after use and store it at a good ventilated place.

Store frost-free.

Must be stored in a room with spill collection facilities.

**7.3. Specific end use(s)**

Product for industrial surface treatment

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

Valid for  
Germany

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
(2-Methoxymethylethoxy)propanol 34590-94-8 [(2-METHOXYMETHYLETHOXY)- PROPANOL]	50	308	Time Weighted Average (TWA):	Indicative	ECTLV
(2-Methoxymethylethoxy)propanol 34590-94-8			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
(2-Methoxymethylethoxy)propanol 34590-94-8	50	310	Exposure limit(s):	1	TRGS 900

**Predicted No-Effect Concentration (PNEC):**

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
(2-Methoxymethylethoxy)propanol 34590-94-8	aqua (freshwater)		19 mg/l				
(2-Methoxymethylethoxy)propanol 34590-94-8	aqua (marine water)		1,9 mg/l				
(2-Methoxymethylethoxy)propanol 34590-94-8	sewage treatment plant (STP)		4168 mg/l				
(2-Methoxymethylethoxy)propanol 34590-94-8	sediment (freshwater)				70,2 mg/kg		
(2-Methoxymethylethoxy)propanol 34590-94-8	sediment (marine water)				7,02 mg/kg		
(2-Methoxymethylethoxy)propanol 34590-94-8	Soil				2,74 mg/kg		
(2-Methoxymethylethoxy)propanol 34590-94-8	aqua (intermittent releases)		190 mg/l				
Sodium N-(hydroxymethyl)glycinate 70161-44-3	aqua (freshwater)		0,00865 mg/l				
Sodium N-(hydroxymethyl)glycinate 70161-44-3	aqua (marine water)		0,0009 mg/l				
Sodium N-(hydroxymethyl)glycinate 70161-44-3	sediment (freshwater)				0,02676 mg/kg		
Sodium N-(hydroxymethyl)glycinate 70161-44-3	sediment (marine water)				0,003 mg/kg		
Sodium N-(hydroxymethyl)glycinate 70161-44-3	sewage treatment plant (STP)		2,79 mg/l				
Sodium N-(hydroxymethyl)glycinate 70161-44-3	Soil				0,00115 mg/kg		

**Derived No-Effect Level (DNEL):**

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
(2-Methoxymethylethoxy)propanol 34590-94-8	Workers	inhalation	Long term exposure - systemic effects		308 mg/m3	
(2-Methoxymethylethoxy)propanol 34590-94-8	Workers	dermal	Long term exposure - systemic effects		283 mg/kg	
(2-Methoxymethylethoxy)propanol 34590-94-8	General population	oral	Long term exposure - systemic effects		36 mg/kg	
(2-Methoxymethylethoxy)propanol 34590-94-8	General population	inhalation	Long term exposure - systemic effects		37,2 mg/m3	
(2-Methoxymethylethoxy)propanol 34590-94-8	General population	dermal	Long term exposure - systemic effects		121 mg/kg	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	Workers	inhalation	Long term exposure - systemic effects		11,3 mg/m3	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	Workers	inhalation	Acute/short term exposure - systemic effects		240 mg/m3	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	Workers	dermal	Long term exposure - systemic effects		1,6 mg/kg	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	Workers	dermal	Acute/short term exposure - systemic effects		40 mg/kg	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	General population	inhalation	Long term exposure - systemic effects		2,78 mg/m3	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	General population	inhalation	Acute/short term exposure - systemic effects		120 mg/m3	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	General population	dermal	Long term exposure - systemic effects		0,8 mg/kg	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	General population	dermal	Acute/short term exposure - systemic effects		20 mg/kg	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	General population	oral	Long term exposure - systemic effects		0,8 mg/kg	
Sodium N-(hydroxymethyl)glycinate 70161-44-3	General population	oral	Acute/short term exposure - systemic effects		9,4 mg/kg	

**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;  $\geq 1$  mm thickness) or natural rubber (NR;  $\geq 1$  mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR;  $\geq 1$  mm thickness) or natural rubber (NR;  $\geq 1$  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, light yellow
Odor	no valuation
Solidification temperature	$< 0^{\circ}\text{C}$ ( $< 32^{\circ}\text{F}$ )
Initial boiling point	$> 100^{\circ}\text{C}$ ( $> 212^{\circ}\text{F}$ )
Flammability	The product is not flammable.
Explosive limits	Not applicable, The product is not flammable.
Flash point	$> 100^{\circ}\text{C}$ ( $> 212^{\circ}\text{F}$ )
Auto-ignition temperature	Not applicable, Aqueous solution
Decomposition temperature	Currently under determination
pH ( $20^{\circ}\text{C}$ ( $68^{\circ}\text{F}$ ); Conc.: 100 % product)	9,1 - 9,7 PH-value, potentiometer
Viscosity (kinematic)	Currently under determination
Solubility (qualitative) ( $20^{\circ}\text{C}$ ( $68^{\circ}\text{F}$ ); Solvent: Water)	Miscible
Partition coefficient: n-octanol/water	Currently under determination
Vapour pressure ( $20^{\circ}\text{C}$ ( $68^{\circ}\text{F}$ ))	23,4 mbar
Density ( $20^{\circ}\text{C}$ ( $68^{\circ}\text{F}$ ))	1,005 - 1,015 g/cm <sup>3</sup> Density, oscillation
Relative vapour density: ( $20^{\circ}\text{C}$ )	$< 1$
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**

None if used for intended purpose.

**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**

None if used properly.

**10.6. Hazardous decomposition products**

None if used for intended purpose.

In case of fire toxic gases can be released.

## SECTION 11: Toxicological information

**1.1 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
(2-Methoxymethylethoxy)propanol 34590-94-8	LD50	8.740 mg/kg	rat	not specified
Sodium N-(hydroxymethyl)glycinate 70161-44-3	LD50	940 mg/kg	rat	EPA OPP 81-1 (Acute Oral Toxicity)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	Acute toxicity estimate (ATE)	1.100 mg/kg		Expert judgement

**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
(2-Methoxymethylethoxy)propanol 34590-94-8	LD50	9.510 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	LD50	> 2.000 mg/kg	rabbit	EPA OPP 81-2 (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
(2-Methoxymethylethoxy)propanol 34590-94-8	LC50	55 - 60 mg/l		4 h	rat	not specified
Sodium N-(hydroxymethyl)glycinate 70161-44-3	LC50	> 2,3 mg/l	dust/mist	4 h	rat	EPA OPP 81-3 (Acute inhalation toxicity)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	Acute toxicity estimate (ATE)	3 mg/l	dust/mist	4 h		Expert judgement

**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
(2-Methoxymethylethoxy)propanol 34590-94-8	not irritating	2 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
(2-Methoxymethylethoxy)propanol 34590-94-8	not irritating		human	not specified

**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
(2-Methoxymethylethoxy)propanol 34590-94-8	not irritating		human	not specified
(2-Methoxymethylethoxy)propanol 34590-94-8	not irritating		rabbit	Draize Test
Sodium N-(hydroxymethyl)glycinate 70161-44-3	irritating		rabbit	EPA OPP 81-4 (Acute Eye Irritation)

**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
(2-Methoxymethylethoxy)propanol 34590-94-8	not sensitising	Patch-Test	human	human repeat insult patch test
Sodium N-(hydroxymethyl)glycinate 70161-44-3	not sensitising	Buehler test	guinea pig	EPA OPP 81-6 (Skin Sensitisation)

**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
(2-Methoxymethylethoxy)propanol 34590-94-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
(2-Methoxymethylethoxy)propanol 34590-94-8	negative	yeast cytogenetic assay	with and without		OECD Guideline 481 (Genetic Toxicology: Saccharomyces cerevisiae, Mitotic Recombination Assay)
(2-Methoxymethylethoxy)propanol 34590-94-8	negative	in vitro mammalian chromosome aberration test	with and without		JAPAN: Guidelines for Screening Mutagenicity Testing Of Chemicals
(2-Methoxymethylethoxy)propanol 34590-94-8	negative	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	not applicable		OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
(2-Methoxymethylethoxy)propanol 34590-94-8	negative	mammalian cell gene mutation assay	without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
(2-Methoxymethylethoxy)propanol 34590-94-8	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		EPA OPP 84-2 (Mutagenicity Testing)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	positive	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	positive	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	negative	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	not applicable		EPA Guideline
Sodium N-(hydroxymethyl)glycinate 70161-44-3	negative	oral: gavage		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	negative	oral: gavage		rat	EPA Guideline

**Carcinogenicity**

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

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method
(2-Methoxymethylethoxy)propanol 34590-94-8	not carcinogenic	inhalation: vapour	2 years 6 h/day; 5 days/week	rat	male/female	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

**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
(2-Methoxymethylethoxy)propanol 34590-94-8	NOAEL P 300 ppm NOAEL F1 1000 ppm NOAEL F2 1000 ppm	two-generation study	inhalation: vapour	rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	NOAEL P 160 mg/kg	other	oral: gavage	rat	other guideline:

**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
(2-Methoxymethylethoxy)propanol 34590-94-8	NOAEL > 50 mg/l	inhalation	2 weeks (9 exposures) 6 hours/day; 5 days/week	rabbit	not specified
(2-Methoxymethylethoxy)propanol 34590-94-8	NOAEL 1.000 mg/kg	oral: gavage	4 weeks daily	rat	not specified
(2-Methoxymethylethoxy)propanol 34590-94-8	NOAEL 200 ppm	inhalation: vapour	13 weeks 6 hours/day; 5 days/week	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
(2-Methoxymethylethoxy)propanol 34590-94-8	NOAEL 2.850 mg/kg	dermal	90 d 5 days/week	rabbit	OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
(2-Methoxymethylethoxy)propanol 34590-94-8	NOAEL > 1.000 mg/kg	dermal	4 weeks 4 hours/day; 5 days/week	rat	OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	NOAEL 160 mg/kg	oral: gavage	28 d daily	rat	equivalent or similar to OECD Guideline 407 (Repeated Dose 28-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
(2-Methoxymethylethoxy)propanol 34590-94-8	LC50	> 1.000 mg/l	96 h	Poecilia reticulata	OECD Guideline 203 (Fish, Acute Toxicity Test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	LC50	93,8 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)

#### 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
(2-Methoxymethylethoxy)propanol 34590-94-8	EC50	1.919 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	EC50	46,5 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

#### Chronic toxicity to aquatic invertebrates

No data available.

#### 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
(2-Methoxymethylethoxy)propanol 34590-94-8	EC50	> 969 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
(2-Methoxymethylethoxy)propanol 34590-94-8	NOEC	969 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	EC50	8,65 mg/l	72 h	Pseudokirchneriella subcapitata	EU Method C.3 (Algal Inhibition test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	NOEC	3,2 mg/l	72 h	Pseudokirchneriella subcapitata	EU Method C.3 (Algal 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
(2-Methoxymethylethoxy)propanol 34590-94-8	EC10	4.168 mg/l	18 h	Pseudomonas putida	other guideline:
Sodium N-(hydroxymethyl)glycinate 70161-44-3	EC50	279 mg/l	3 h	activated sludge	EU Method C.11 (Biodegradation: Activated Sludge Respiration Inhibition Test)

#### 12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
(2-Methoxymethylethoxy)propanol 34590-94-8	readily biodegradable	aerobic	76 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
(2-Methoxymethylethoxy)propanol 34590-94-8	inherently biodegradable	aerobic	94 %	13 d	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	readily biodegradable	aerobic	> 96 - 99 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Temperature	Method
(2-Methoxymethylethoxy)propanol 34590-94-8	0,004	25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Sodium N-(hydroxymethyl)glycinate 70161-44-3	-1,533	26 °C	other guideline:

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

Hazardous substances CAS-No.	PBT / vPvB
(2-Methoxymethylethoxy)propanol 34590-94-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Sodium N-(hydroxymethyl)glycinate 70161-44-3	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**12.6. Endocrine disrupting properties**

not applicable

**12.7. Other adverse effects**

Do not empty into drains, soil or bodies of water.

## 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**  
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)	6 %

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

### National regulations/information (Germany):

WGK:	WGK 3: highly 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:	6.1D
General remarks (DE):	This product is in scope of the German regulation "ChemikalienVerbotsVerordnung"

**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:

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.

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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**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**