

\* Ozerna BME

Date revised: 12.06.2017

# 8770112221

Version: 8 / GB

Master No. MA-212

Date of printing: 16.06.2022

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

### **1.1. Product identifier**

**Trade name**

Ozerna BME

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

**Use of the substance/mixture**

Detergents

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

**Address/Manufacturer**

BÜFA Reinigungssysteme GmbH &amp; Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-Mail produktsicherheit-rs@buefa.de

### **1.4. Emergency telephone number**

Poison Information Center Goettingen: +49 551 19240

## **SECTION 2: Hazards identification**

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

**Classification (Regulation (EC) No. 1272/2008)**

Skin Corr. 1A H314

Eye Dam. 1 H318

### **2.2. Label elements**

**Labelling according to regulation (EC) No 1272/2008****Hazard pictograms****Signal word**

Danger

**Hazard statements**

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P280.2 Wear protective gloves/ eye/ 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 or doctor.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains Potassium hydroxide; Sodium hydroxide

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### 2.3. Other hazards

The product does not contain PBT/vPvB-substances

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### Potassium hydroxide

CAS No.	1310-58-3
EINECS no.	215-181-3
Registration no.	01-2119487136-33-XXXX
Concentration	>= 10 < 25 %

Acute Tox. 4	H302
Skin Corr. 1A	H314
Met. Corr. 1	H290

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 0,5 < 2 %
Skin Corr. 1A	H314	>= 5 %
Skin Corr. 1B	H314	>= 2 < 5 %
Skin Irrit. 2	H315	>= 0,5 < 2 %

##### Isotridecanol, ethoxylated (5-20 EO)

CAS No.	69011-36-5
EINECS no.	500-241-6
Registration no.	01-2119976362-32-XXXX
Concentration	>= 1 < 10 %

Acute Tox. 4	H302
Eye Dam. 1	H318

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 1 %
Eye Dam. 1	H318	>= 10 %

##### Silicic acid, potassium salt

CAS No.	1312-76-1
EINECS no.	215-199-1
Registration no.	01-2119456888-17-XXXX
Concentration	>= 1 < 10 %

Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H335

##### (1-Hydroxyethylidene) bisphosphonic acid

CAS No.	2809-21-4
EINECS no.	220-552-8
Registration no.	01-2119510391-53-XXXX
Concentration	>= 1 < 10 %

Met. Corr. 1	H290
Acute Tox. 4	H302
Eye Dam. 1	H318

##### Sodium hydroxide

CAS No.	1310-73-2
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EINECS no.	215-185-5				
Registration no.	01-2119457892-27-XXXX				
Concentration	>=	1	<	10	%

Skin Corr. 1A	H314
Met. Corr. 1	H290

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 0,5 < 2 %
Skin Corr. 1A	H314	>= 5 %
Skin Corr. 1B	H314	>= 2 < 5 %
Skin Irrit. 2	H315	>= 0,5 < 2 %

**D-Glucopyranose, oligomers, decyl octyl glycosides**

CAS No.	68515-73-1				
EINECS no.	500-220-1				
Registration no.	01-2119488530-36-XXXX				
Concentration	>=	1	<	10	%

Eye Dam. 1	H318
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For explanation of abbreviations see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air. Summon a doctor immediately.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

**After ingestion**

Do not induce vomiting. Call in a physician immediately and show him the Safety Data Sheet.

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

There is no further relevant information available

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

There is no further relevant information available

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

Carbon dioxide, Dry powder, Water spray jet, Extinguishing measures to suit surroundings

**Non suitable extinguishing media**

Full water jet

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

In case of combustion evolution of dangerous gases possible. If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

**5.3. Advice for firefighters**Use self-contained breathing apparatus.  
Cool endangered containers with water spray jet.

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

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

Keep people away and stay on the upwind side. Use breathing apparatus if exposed to vapours/dust/aerosol. Use personal protective clothing.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways.

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

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

### **6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

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

### **7.1. Precautions for safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Containers in danger should be cooled with water.

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

Keep only in original packaging. Provide alkali-resistant floor. Store product in closed containers. Do not store together with: Acids, Aluminium  
Keep container tightly closed.

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

No information available

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

### **8.1. Control parameters**

#### **Exposure limit values**

##### **Potassium hydroxide**

List	EH40		
Type	WEL		
Short term exposure limit	2	mg/m <sup>3</sup>	

##### **Sodium hydroxide**

List	EH40		
Type	WEL		
Short term exposure limit	2	mg/m <sup>3</sup>	

### **8.2. Exposure controls**

#### **General protective and hygiene measures**

Observe the usual precautions for handling chemicals.

#### **Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, Filter B

#### **Hand protection**

Chemical resistant gloves			
Appropriate Material	nitrile		
Material thickness	>=	0,7	mm
Breakthrough time		480	min

#### **Eye protection**

Tightly fitting safety glasses

#### **Body protection**

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Alkali-resistant protective clothing

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

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

<b>Form</b>	liquid			
<b>Colour</b>	yellow			
<b>Odour</b>	Product specific			
<b>pH value</b>				
Value	12	to	13	
Concentration/H <sub>2</sub> O	1	%		
<b>Flash point</b>				
Value	>	100		°C
<b>Density</b>				
Value	appr.	1,24		kg/l
<b>Viscosity</b>				
Value	10	to	14	s
Method	DIN 53211 4 mm			

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

### **10.1. Reactivity**

Corrodes aluminium.

### **10.2. Chemical stability**

The product is stable.

### **10.3. Possibility of hazardous reactions**

Strong exothermic reaction with acids.

### **10.4. Conditions to avoid**

Protect from heat and direct sunlight.

### **10.5. Incompatible materials**

Strong exothermic reaction with acids. Reactions with metals, with evolution of hydrogen.

### **10.6. Hazardous decomposition products**

No hazardous decomposition products known.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute oral toxicity**

ATE	2.313	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

#### **Acute dermal toxicity**

No toxicological data are available.

#### **Acute inhalational toxicity**

No toxicological data are available.

#### **Skin corrosion/irritation**

Corrosive action on the skin and mucous membrane.

#### **Serious eye damage/irritation**

evaluation corrosive

#### **Sensitization (Components)**

Based on available data, the classification criteria are not met.

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**Mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT)**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity**

For this subsection there is no ecotoxicological data available on the product as such.

**Daphnia toxicity**

For this subsection there is no ecotoxicological data available on the product as such.

**Algae toxicity**

For this subsection there is no ecotoxicological data available on the product as such.

**Bacteria toxicity**

For this subsection there is no ecotoxicological data available on the product as such.

**12.2. Persistence and degradability**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.Do not discharge product unmonitored into the environment.

**12.3. Bioaccumulative potential**

For this subsection there is no ecotoxicological data available on the product as such.

**12.4. Mobility in soil**

For this subsection there is no ecotoxicological data available on the product as such.

**12.5. Results of PBT and vPvB assessment****Evaluation of persistence and bioaccumulation potential**

The product does not contain PBT/vPvB-substances

**12.6. Other adverse effects**

For this subsection there is no ecotoxicological data available on the product as such.

**Behaviour in sewers [waste treatment plants]**

The product is an alkaline solution. Neutralization is normally necessary before a waste water is discharged into sewage treatment plants.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

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

**Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.

**SECTION 14: Transport information**

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	Land transport ADR/RID	Marine transport IMDG/GGVSee
14.1. UN number	1814	1814
14.2. UN proper shipping name	POTASSIUM HYDROXIDE SOLUTION	POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es)	8	8
14.4. Packing group	II	II
Label		
Limited Quantity	1 I	
Transport category	2	
Tunnel restriction code	E	
Hazard id. no.	80	
EmS		F-A, S-B

## **SECTION 15: Regulatory information**

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

#### **VOC**

VOC (EU) 0 %

#### **Ingredients (Regulation (EC) No 648/2004)**

##### **5 % or over but less than 15 %:**

non-ionic surfactants

##### **less than 5 %:**

amphoteric surfactants, phosphonates

#### **Further ingredients**

optical brighteners

#### **Other information**

The product does not contain substances of very high concern (SVHC).  
The HSNO Approval Number for this Group Standard is HSR002526.

### **15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

#### **Hazard statements listed in Chapter 3**

H290 May be corrosive to metals.  
H302 Harmful if swallowed.

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H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

**Abbreviations**

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very persistent and very bioaccumulative

**CLP categories listed in Chapter 3**

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.