

\* Lizerna Synergy

Date revised: 14.11.2023

# 8770025514

Version: 6 / GB

Master No. MA-211

Print date: 17.04.2024

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

### **1.1. Product identifier**

**Trade name**

Lizerna Synergy

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

**Use of the substance/mixture**

Cleaning material/ Detergent

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

**Address/Manufacturer**

BÜFA Cleaning 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 sds-cleaning@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)**

Eye Irrit. 2 H319

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

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

Warning

**Hazard statements \*\*\***

H319 Causes serious eye irritation.

**Precautionary statements \*\*\***

P280.6 Wear eye/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

### **2.3. Other hazards**

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product

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does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## **SECTION 3: Composition/information on ingredients**

### **3.2. Mixtures**

#### **Hazardous ingredients**

##### **6-(phthalimido)peroxyhexanoic acid**

CAS No.	128275-31-0				
EINECS no.	410-850-8				
Concentration	>=	10	<	25	%
Org. Perox. D	H242				
Eye Dam. 1	H318				
Aquatic Acute 1	H400				

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note T

##### **disodium dihydrogen (1-hydroxyethylidene)bisphosphonate**

CAS No.	7414-83-7				
EINECS no.	231-025-7				
Concentration	>=	1	<	10	%
Acute Tox. 4	H302				

cATpE oral 500 mg/kg

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. In the event of symptoms take medical treatment.

#### **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**

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

### **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

#### **Non suitable extinguishing media**

Full water jet

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

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If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

### 5.3. Advice for firefighters

Cool endangered containers with water spray jet.

## SECTION 6: Accidental release measures

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

High risk of slipping due to leakage/spillage of product. 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

Do not pick up with the help of saw-dust or other combustible substances. Pick up rest with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

### 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

Observe the usual precautions for handling chemicals.

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

Emptied containers may contain product residues and therefore must be handled with care. Reuse only after appropriate cleaning. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3. Specific end use(s)

No information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

List

There is not known any national exposure limit.

### 8.2. Exposure controls

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with the Regulation (EC) No 2016/425 and the resulting CEN standards. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

#### Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Full mask, combination filter A2/B2

#### Hand protection

Chemical resistant gloves

Appropriate Material

Butyl rubber

Breakthrough time

480

min

#### Eye protection

Tightly fitting safety glasses

#### Body protection

Clothing as usual in the chemical industry.

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

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

<b>Physical state</b>	liquid	
<b>Colour</b>	white	
<b>Odour</b>	odourless	
<b>Melting point</b>		
Value	75	°C
<b>Boiling point</b>		
Remarks	not determined	
<b>Flammability</b>		
evaluation	not determined	
<b>Explosion limits</b>		
Remarks	not determined	
<b>Flash point</b>		
Value	> 100	°C
<b>Ignition temperature</b>		
Remarks	not determined	
<b>Thermal decomposition</b>		
Value	> 80	°C
<b>pH value</b>		
Value	appr. 3,5	
<b>Viscosity</b>		
<b>dynamic</b>		
Value	appr. 700	mPa.s
<b>Solubility in other solvents</b>	not determined	
<b>Octanol/water partition coefficient (log Pow)</b>		
Remarks	Not relevant	
<b>Vapour pressure</b>		
Remarks	not determined	
<b>Density</b>		
Value	appr. 1,05	kg/l
<b>Vapour density</b>		
Remarks	not determined	
<b>Particle characteristics</b>		
Remarks	irrelevant (liquid)	
<b>9.2. Other information</b>		
<b>Odour threshold</b>		
Remarks	No data available	
<b>Auto-ignition temperature</b>		
Value	470	°C

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

### **10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

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**10.2. Chemical stability**

The product is stable.

**10.3. Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4. Conditions to avoid**

Protect from heat and direct sunlight.

**Thermal decomposition**

Value &gt; 80 °C

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**Oxygen, nitrous oxides (NO<sub>x</sub>), Carbon monoxide and carbon dioxide**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

ATE > 10.000 mg/kg  
 Method calculated value (Regulation (EC) No. 1272/2008)  
 Based on available data, the classification criteria are not met.

**Acute dermal toxicity**

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

**Acute inhalational toxicity**

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

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

evaluation irritant  
 Method Isolated Chicken Eye Test  
 The classification criteria are met.

**Sensitization**

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

**Mutagenicity**

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

**Reproductive toxicity**

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

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)****Single exposure**

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

**Repeated exposure**

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

**Aspiration hazard**

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

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to

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humans.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

#### **Fish toxicity**

##### **6-(phthalimido)peroxyhexanoic acid**

Species	zebra fish ( <i>Brachydanio rerio</i> )		
LC50	0,4		mg/l
Duration of exposure	96	h	
Species	zebra fish ( <i>Brachydanio rerio</i> )		
NOEC	0,1		mg/l
Duration of exposure	96	h	

#### **Daphnia toxicity**

##### **6-(phthalimido)peroxyhexanoic acid**

Species	Daphnia magna		
EC50	17,6		mg/l
Duration of exposure	48	h	
Species	Daphnia magna		
NOEC	8,9		mg/l
Duration of exposure	48	h	

#### **Algae toxicity**

##### **6-(phthalimido)peroxyhexanoic acid**

Species	Scenedesmus capricornutum		
EC50	1,3		mg/l
Duration of exposure	72	h	

#### **Bacteria toxicity**

##### **6-(phthalimido)peroxyhexanoic acid**

EC50	>=	100	mg/l
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### **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.

### **12.3. Bioaccumulative potential**

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

#### **Octanol/water partition coefficient (log Pow)**

Remarks Not relevant

### **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**

#### **Results of PBT and vPvB assessment**

The product contains no PBT substances. The product contains no vPvB substances.

### **12.6 Endocrine disrupting properties**

#### **Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

### **12.7. Other adverse effects**

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

## **SECTION 13: Disposal considerations**

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### 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

	Land transport ADR/RID	Marine transport IMDG/GGVSee
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.
14.2. UN proper shipping name	-	-
14.3. Transport hazard class(es)	-	-
14.4. Packing group	-	-
Label		
14.5. Environmental hazards	-	-

### Information for all modes of transport

#### 14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Other information

#### 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

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

##### 15 % or over but less than 30 %:

oxygen-based bleaching agents

#### VOC

VOC (EU) 0 %

#### Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

### 15.2. Chemical safety assessment

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

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## **SECTION 16: Other information**

### **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

Eye Irrit. 2                      H319                      On basis of test data

#### **Hazard statements listed in Chapter 2/3**

H242                      Heating may cause a fire.  
 H302                      Harmful if swallowed.  
 H318                      Causes serious eye damage.  
 H319                      Causes serious eye irritation.  
 H400                      Very toxic to aquatic life.

#### **CLP categories listed in Chapter 2/3**

Acute Tox. 4                      Acute toxicity, Category 4  
 Aquatic Acute 1                      Hazardous to the aquatic environment, acute, Category 1  
 Eye Dam. 1                      Serious eye damage, Category 1  
 Eye Irrit. 2                      Eye irritation, Category 2  
 Org. Perox. D                      Organic peroxide, Type D

#### **Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 GGVSee: Gefahrgutverordnung See  
 IMDG: International Maritime Code for Dangerous Goods  
 CAS: Chemical Abstracts Service  
 EAK: Europäischer Abfallkatalog  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 VOC: Volatile Organic Compound  
 GefStoffV: Gefahrstoffverordnung  
 TA Luft: Technische Anleitung zur Reinhaltung der Luft  
 INCI: International Nomenclature of Cosmetic Ingredients  
 n.a.g.: nicht anders genannt  
 MAK: Maximale Arbeitsplatz-Konzentration  
 AGW: Arbeitsplatzgrenzwert  
 BGW: Biologischer Grenzwert  
 TRGS: Technische Regeln für Gefahrstoffe  
 OEL: Occupational exposure limit  
 SUVA: Schweizerische Unfallversicherungsanstalt  
 WEL: Workplace exposure limit  
 MAC: Maximale aanvaarde concentratie (Netherlands)  
 MEL: Maximum exposure limits  
 NOEL: No observable effect level  
 NOEC: No observable effect concentration  
 LD: Lethal dose  
 LC: Lethal concentration  
 LLC: Lowest lethal concentration  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: Very persistent and very bioaccumulative  
 SVHC: Substances of very high concern  
 DNEL: Derived no effect level  
 DMEL: Derived minimal effect level  
 PNEC: Predicted no effect concentration  
 PEC: Predicted environmental concentration  
 GHS: Globally Harmonized System of classification and Labelling of Chemicals  
 REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals  
 UN: United Nations  
 EG: Europäische Gemeinschaft  
 EWG: Europäische Wirtschaftsgemeinschaft



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EU: European Union

HSNO: Hazardous Substances and New Organisms Act (New Zealand)

ATE: Acute Toxicity Estimate

STOT: Specific Target Organ Toxicity

**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.