

* Oldozym AP

Date revised: 12.08.2021

8770026111

Version: 9 / GB

Master No. MA-211

Date of printing: 16.03.2022

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

1.1. Product identifier

Trade name

Oldozym AP

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 & Co. KG August-Hanken-Str. 30
August-Hanken-Str. 30
26125 Oldenburg
Telephone no. +49 441 9317 0
Fax no. +49 441 9317 100
Information provided by / telephone Department product safety / +49 441 9317 108
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)

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.

Sensitising substances ***EUH208 Contains Amylase, a-
EUH208 Contains subtilisin

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EUH208 Contains 1,2-Benzisothiazol-3(2h)-one
May produce an allergic reaction.

Precautionary statements ***

P280.9 Wear eye 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 does not contain PBT/vPvB-substances

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Hazardous ingredients *******2-(2-Butoxyethoxy)ethanol**

CAS No. 112-34-5
EINECS no. 203-961-6
Registration no. 01-2119475104-44-XXXX
Concentration ≥ 10 < 25 %
Eye Irrit. 2 H319

Isotridecanol, ethoxylated

CAS No. 69011-36-5
EINECS no. 931-138-8
Registration no. IRRELEVANT (POLYMER)
Concentration ≥ 1 < 3 %
Acute Tox. 4 H302
Eye Dam. 1 H318

subtilisin

CAS No. 9014-01-1
EINECS no. 232-752-2
Registration no. 01-2119480434-38-XXXX
Concentration $\geq 0,1$ < 1 %
Acute Tox. 4 H302
Skin Irrit. 2 H315
Eye Dam. 1 H318
Resp. Sens. 1 H334
STOT SE 3 H335
Aquatic Acute 1 H400
Aquatic Chronic 2 H411

Amylase, a-

CAS No. 9000-90-2
EINECS no. 232-565-6
Registration no. 01-2119938627-26-XXXX
Concentration $\geq 0,1$ < 1 %
Resp. Sens. 1 H334

1,2-Benzisothiazol-3(2h)-one

CAS No. 2634-33-5
EINECS no. 220-120-9
Concentration $\geq 0,005$ < 0,05 %
Aquatic Acute 1 H400
Skin Sens. 1 H317
Acute Tox. 4 H302

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Skin Irrit. 2	H315
Eye Dam. 1	H318

Further ingredients**Propane-1,2-diol**

CAS No.	57-55-6	EINECS no.	200-338-0
Registration no.	01-2119456809-23-XXXX		
Concentration	>= 1	<	10 % [3]

Note

[3] Substance with occupational exposure limits
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

5.2. Special hazards arising from the substance or mixture

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

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

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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

2-(2-Butoxyethoxy)ethanol

List	EH40			
Type	WEL			
Value	67.5	mg/m ³	10	ppm(V)
Short term exposure limit	101.2	mg/m ³	15	ppm(V)

2-(2-Butoxyethoxy)ethanol

List	IOELV			
Type	IOELV			
Value	67,5	mg/m ³	10	ppm(V)
Short term exposure limit	101,2	mg/m ³	15	ppm(V)

Propane-1,2-diol

List	EH40			
Type	WEL			
Value	10	mg/m ³		

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.

Respiratory protection

Not necessary.

Hand protection

Chemical resistant gloves				
Appropriate Material	nitrile			
Material thickness	>=	0,6	mm	
Breakthrough time		480	min	

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid
Colour	brown

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Odour	Product specific		
pH value			
Value	9,0	to	9,2
Flash point			
Value	> 100		°C
Density			
Value	appr. 1,01		kg/l
Solubility in water			
Remarks	miscible		
Viscosity			
Value	appr. 11		s
Method	DIN 53211 4 mm		

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

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

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.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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 oral toxicity (Components)**Isotridecanol, ethoxylated**

Species rat
 LC50 2000 mg/kg

subtilisin

Species rat
 LD50 1800 mg/kg

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

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

Serious eye damage/irritation

evaluation irritant
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.

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)**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.

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.

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.

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

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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.

SECTION 15: Regulatory information ***

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

VOC ***

VOC (EU) 20,63 %

Ingredients (Regulation (EC) No 648/2004)

less than 5 %:

non-ionic surfactants

Further ingredients ***

enzymes, 1,2-Benzisothiazol-3(2h)-one

Other information ***

The product does not contain substances of very high concern (SVHC).

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

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

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
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1

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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.