

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.08.2022

Version number 6 (replaces version 5)

Revision: 24.08.2022

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

- **Product identifier**
- **Trade name:** **WALLOXEN OFS 100**
- **Article number:** 521220
- **CAS Number:**  
9004-96-0
- **EINECS Number:**  
Polymer
- **Registration number**  
The product is a polymer and therefore exempted from registration obligation under REACH.
- **Relevant identified uses of the substance or mixture and uses advised against .**
- **Application of the substance / the mixture** Emulsifier
- **Uses advised against** No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Wall Chemie GmbH  
Am Selder 25  
D-47906 KEMPEN  
DEUTSCHLAND  
Tel.: +49 2152 8999 0  
E-Mail: sicherheit@wall-chemie.com
- **Further information obtainable from:** Safety and health group
- **Emergency telephone number:**  
This number is serviced during office hours: +49 2152 8999 0  
Giftinformationszentrum Nord 24h-information: +49 551 19240

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Carc. 1B                      H350 May cause cancer.

Aquatic Chronic 3    H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS08

- **Signal word** Danger
- **(Hazard-determining) components of labelling:**  
oleic acid poly(oxyethylene) ester
- **Hazard statements**  
H350 May cause cancer.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P273                      Avoid release to the environment.  
P280                      Wear protective gloves / eye protection / face protection.  
P308+P313 IF exposed or concerned: Get medical advice/attention.

(Contd. on page 2)

## Safety data sheet

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**Trade name: WALLOXEN OFS 100**

(Contd. of page 1)

- **Additional information:** Identified impurities: 1,4-dioxane (CAS: 123-91-1)
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Substances**
- **CAS No. Description**  
9004-96-0 oleic acid poly(oxyethylene) ester
- **Identification number(s)**
- **EC number:** Polymer
- **Additional information:** Polymers are exempted from registration obligation under REACH (EU).

- **(Dangerous) components:**

CAS: 9004-96-0 Polymer	oleic acid poly(oxyethylene) ester Aquatic Chronic 3, H412	50-100%
CAS: 123-91-1 EINECS: 204-661-8 Index number: 603-024-00-5	1,4-dioxane ⚠ Flam. Liq. 2, H225; ⚠ Carc. 1B, H350; ⚠ Eye Irrit. 2, H319; STOT SE 3, H335, EUH019, EUH066	≥0.1-≤0.3%

- **SVHC**

May contain an impurity deriving from the process used which has been included in the list of candidates for "substances of very high Concern" (SVHC)

123-91-1	1,4-dioxane
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### 4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**  
Seek medical treatment.  
Rinse mouth.  
Do not induce vomiting.
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
Risk of aspiration.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Organic decomposition products  
Carbon oxides (CO<sub>x</sub>)

(Contd. on page 3)

EU

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 6 (replaces version 5)

Revision: 24.08.2022

**Trade name: WALLOXEN OFS 100**

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** Use suitable breathing apparatus if necessary.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.  
Avoid contact with the eyes and skin.
- **Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Precautions for safe handling**  
Open and handle receptacle with care.  
Wear protective clothing.  
Do not eat, drink or smoke in working area.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** Combustible, acute toxicity category 3 / toxic or substances with chronic effects
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Do not eat, drink, smoke or sniff while working.  
The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.

(Contd. on page 4)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 24.08.2022

Version number 6 (replaces version 5)

Revision: 24.08.2022

Trade name: WALLOXEN OFS 100

(Contd. of page 3)

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Hand protection**



Protective gloves

- **Material of gloves**

e.g. Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.5$  mm

- **Penetration time of glove material**

Minimum breakthrough time : &gt; 120 min (Permeation according to EN 374 Part 3: level 4)

- **Eye/face protection**



Tightly sealed goggles (EN 166).

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Yellow

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

&gt;10 - &lt;20 °C

- **Boiling point or initial boiling point and boiling range**

Undetermined.

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

&gt;180 - 250 °C

- **Ignition temperature:**

&gt;230 °C

- **Decomposition temperature:**

Not determined.

- **pH (10 g/l) at 20 °C**

6.0-7.5

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **Dynamic:**

50-200 mPas (65 °C)

- **Solubility**

- **water:**

dispersible/soluble

- **Partition coefficient n-octanol/water (log value)**

Product is an emulsifier.

- **Vapour pressure:**

Not determined.

- **Density and/or relative density**

- **Density:**

ca. 1.0 g/cm<sup>3</sup> (70°C)

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 24.08.2022

Version number 6 (replaces version 5)

Revision: 24.08.2022

Trade name: WALLOXEN OFS 100

(Contd. of page 4)

· <b>Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

## 10 Stability and reactivity

- **Reactivity**  
Product is stable under normal ambient conditions.  
No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**  
According to CESIO-recommendation 05/2021.

Oral	LD50	>2,000 mg/kg (--) (CESIO)
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- **Skin corrosion/irritation**  
According to CESIO-recommendation 05/2021  
No irritating effect.

(Contd. on page 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 24.08.2022

Version number 6 (replaces version 5)

Revision: 24.08.2022

**Trade name: WALLOXEN OFS 100**

(Contd. of page 5)

- **Serious eye damage/irritation**  
According to CESIO-recommendation 05/2021.  
No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Germ cell mutagenicity** no data
- **Carcinogenicity** no data
- **Reproductive toxicity** no data
- **STOT-single exposure** no data
- **STOT-repeated exposure** no data
- **Aspiration hazard** no data
- **Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**  
The classification was carried out according to CESIO-recommendation 05/2021

LC50	63 mg/l (fish) (CESIO 10/2015)
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- **Persistence and degradability**  
These surfactants comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.  
Degradation rate >70% Time (d) 28 days Method OECD 301F (failing 10d window)
- **Other information:**  
This statement was deduced from products with a similar structure or composition.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Waste disposal key:**  
Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).

(Contd. on page 7)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 6 (replaces version 5)

Revision: 24.08.2022

Trade name: WALLOXEN OFS 100

(Contd. of page 6)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- |  |                 |
|--|-----------------|
| · <b>UN number or ID number</b>                                  | Void            |
| · <b>ADR, IMDG, IATA</b>   | Void            |
| · <b>UN proper shipping name</b>                                 | Void            |
| · <b>ADR, IMDG, IATA</b>   | Void            |
| · <b>Transport hazard class(es)</b>                              |                 |
| · <b>ADR, ADN, IMDG, IATA</b>                                    |                 |
| · <b>Class</b>   | Void            |
| · <b>Packing group</b>   |                 |
| · <b>ADR, IMDG, IATA</b>   | Void            |
| · <b>Environmental hazards:</b>                                  | Not applicable. |
| · <b>Special precautions for user</b>                            | Not applicable. |
| · <b>Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                  | Void            |

### 15 Regulatory information

- **Directive 2004/42/EC**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:**

Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.

(Contd. on page 8)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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**Trade name: WALLOXEN OFS 100**

(Contd. of page 7)

- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**  
May contain an impurity deriving from the process used which has been included in the list of candidates for "substances of very high Concern" (SVHC)

123-91-1	1,4-dioxane
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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H350 May cause cancer.  
 H412 Harmful to aquatic life with long lasting effects.  
 EUH019 May form explosive peroxides.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

- **Department issuing SDS:** Safety and Health group

- **Contact:** Dr. Astrid Kawka, Dr. Dieter Kawka

- **Version number of previous version:** 5

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 Carc. 1B: Carcinogenicity – Category 1B  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- **\* Data compared to the previous version altered.**