

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.12.2025

Version 9 (replaces version 8)

Revision: 22.12.2025

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

- **1.1 Product identifier**
- **Trade name: OTTOSEAL A 250**
- **UFI: NGE1-C09P-U00F-GX3X**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Sealant/ Adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Hermann Otto GmbH  
Krankenhausstraße 14  
D-83413 Fridolfing  
Tel.: 0049/(0)8684/908-0  
Fax.: 0049/(0)8684/908-1840
- **Further information obtainable from:**  
Tel.: 0049- (0)8684- 908- 2363 ( -4300 )  
E-Mail: msds@otto-chemie.de
- **1.4 Emergency telephone number:**  
Tel.: 0049- (0) 89- 192 40 (emergency telephone no.)  
+44 1865 407333 (Carechem 24)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
ethyl acetate
- **Hazard statements**  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.
- **Precautionary statements**

|                |   |
|----------------|---|
| P102           | Keep out of reach of children.  |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.<br>No smoking. |
| P271           | Use only outdoors or in a well-ventilated area.   |
| P280           | Wear protective gloves / eye protection / face protection.  |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER/ doctor.   |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  |
| P304+P312      | IF INHALED: Call a POISON CENTER/doctor if you feel unwell.                                       |

(Contd. on page 2)

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Version 9 (replaces version 8)

Revision: 22.12.2025

**Trade name: OTTOSEAL A 250**

(Contd. of page 1)

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

• **2.3 Other hazards**

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **Determination of endocrine-disrupting properties**

This product does not contain components that are endocrine disruptors according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

### SECTION 3: Composition/information on ingredients

• **3.2 Mixtures**

• **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**

|                            |   |      |
|----------------------------|---|------|
| CAS: 141-78-6              | ethyl acetate   | <25% |
| EINECS: 205-500-4          | ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 |      |
| Index number: 607-022-00-5 |   |      |
| Reg.nr.: 01-2119475103-46  |   |      |

|                                |   |      |
|--------------------------------|---|------|
| CAS: 123-86-4                  | n-butyl acetate                                 | <10% |
| EINECS: 204-658-1              | ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336, EUH066 |      |
| Index number: 607-025-00-1     |   |      |
| Reg.nr.: 01-2119485493-29-0000 |   |      |

• **Additional information**

For the wording of the listed hazard phrases refer to section 16.

Particulate raw materials with risk of inhalation are inextricably bound in the product and therefore does not trigger classification of the product for inhalation hazards. Due to the product's physical properties, particulate inhalation exposure is not possible.

### SECTION 4: First aid measures

• **4.1 Description of first aid measures**

• **After inhalation** Supply fresh air; consult doctor in case of complaints.

• **After skin contact**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

• **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.

• **After swallowing** Do not induce vomiting; call for medical help immediately. Show container or label.

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

No further relevant information available.

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

No further relevant information available.

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(Contd. on page 3)

# Safety data sheet

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Printing date 22.12.2025

Version 9 (replaces version 8)

Revision: 22.12.2025

Trade name: OTTOSEAL A 250

(Contd. of page 2)

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to section 13.
- **6.4 Reference to other sections** See Section 8 for information on personal protection equipment.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
see item 8: Personal protective equipment
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- 141-78-6 ethyl acetate**  
IOELV Short-term value: 1468 mg/m<sup>3</sup>, 400 ppm  
Long-term value: 734 mg/m<sup>3</sup>, 200 ppm
- 123-86-4 n-butyl acetate**  
IOELV Short-term value: 723 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 241 mg/m<sup>3</sup>, 50 ppm
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
Do not eat or drink while working.

(Contd. on page 4)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.12.2025

Version 9 (replaces version 8)

Revision: 22.12.2025

**Trade name: OTTOSEAL A 250**

(Contd. of page 3)

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Hand protection:** Protective gloves.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Recommended glove types: nitrile rubber

Recommended thickness of the material: >0,4 mm

· **Penetration time of glove material:** Breakthrough time: 10 - 30 min

· **Eye/face protection:** Safety glasses

· **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

· **Physical state**

Solid.

· **Colour:**

According to product specification

· **Odour:**

Strong

· **Melting point/freezing point:**

undetermined

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

undetermined

· **Lower and upper explosion limit**

· **Lower:**

2.1 Vol % (Ethylacetat)

· **Upper:**

11.5 Vol % (Ethylacetat)

· **Flash point:**

Not applicable (test methods for flash point not valid for pasty substances and highly viscous liquids)

· **Auto-ignition temperature:**

370 °C

· **Decomposition temperature:**

Not determined.

· **pH**

Not determined.

· **Viscosity:**

Not determined.

· **Solubility**

· **Water:**

Insoluble

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

Not determined.

· **Vapour pressure at 20 °C:**

100 hPa

· **Density and/or relative density**

· **Density:**

see technical data sheet

· **Relative density**

Not determined.

· **Vapour density**

Not applicable.

· **Particle characteristics**

undetermined

#### · 9.2 Other information

· **Form:**

pasty

· **Ignition temperature:**

Not determined.

· **Explosive properties:**

Not determined.

· **Information with regard to physical hazard classes**

· **Aerosols**

Void

· **Flammable liquids**

Void

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(Contd. on page 5)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.12.2025

Version 9 (replaces version 8)

Revision: 22.12.2025

Trade name: OTTOSEAL A 250

(Contd. of page 4)

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
Avoid strong heating.
- **10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** see item 5.2

### SECTION 11: Toxicological information

- **11.1 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:**


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**141-78-6 ethyl acetate**  
Oral LD50 >5,000 mg/kg (rat)  
Dermal LD50 >5,000 mg/kg (rabbit)

**123-86-4 n-butyl acetate**  
Oral LD50 >5,000 mg/kg (rat)  
Dermal LD50 >5,000 mg/kg (rabbit)  
Inhalative LC50/4 h >21.4 mg/l (rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell 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.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **STOT-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**


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None of the ingredients is listed.

### SECTION 12: Ecological information

- **12.1 Toxicity** No further relevant information available
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
This product does not contain components that are endocrine disruptors according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

(Contd. on page 6)

# Safety data sheet

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Version 9 (replaces version 8)

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**Trade name: OTTOSEAL A 250**

(Contd. of page 5)

- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Observe local by-laws.  
Already cured material can be disposed of with the domestic or commercial waste. Unconsumed material (fluid, paste-like) is to dispose of as hazardous waste.
- **Uncleaned packaging:**
- **Recommendation:**  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.

### SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

### SECTION 15: Regulatory information

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

(Contd. on page 7)

# Safety data sheet

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(Contd. of page 6)

### · **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**

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

### · **Details of international registration status:**

Listed on or in accordance with the following inventories:

REACH - Europe listed

AICS - Australia listed

DSL - Canada listed

IECSC - China listed

ENCS - Japan listed

NZIoC - New Zealand listed

PICCS - Philippines listed

ECL - Korea listed

TSCA - USA listed

TCSI - Taiwan not listed

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

### · **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

· **Date of previous version:** 22.12.2025

· **Version number of previous version:** 8

### · **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

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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