

# Safety data sheet

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

Printing date 11.05.2023

Version 4 (replaces version 3)

Revision: 11.05.2023

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

- **1.1 Product identifier**
- **Trade name:** **OTTOFLEX Protective Coating**
- **Application of the substance / the mixture** Sealing
- **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: alois.parzinger@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**  
The product is not classified, according to the GB CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Contains Methylisothiazolinone, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
Safety data sheet available on request.  
Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
  - **Description:** Synthetic resin dispersion based on styrene butadiene.
  - **Dangerous components:**
- |                   |  |       |
|-------------------|--|-------|
| CAS: 2634-33-5    | 1,2-benzisothiazol-3(2H)-one   | <0.1% |
| EINECS: 220-120-9 | ☞ Eye Dam. 1, H318; ☞ Aquatic Acute 1, H400; ☞ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 |       |
|                   | Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %   |       |

(Contd. on page 2)

# Safety data sheet

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

Printing date 11.05.2023

Version 4 (replaces version 3)

Revision: 11.05.2023

**Trade name: OTTOFLEX Protective Coating**

(Contd. of page 1)

CAS: 2682-20-4	Methylisothiazolinone	<0.1%
EINECS: 220-239-6	<ul style="list-style-type: none"> <li>⚠ Acute Tox. 3, H311; Acute Tox. 2, H330; ⚠ Skin Corr. 1B, H314;</li> <li>⚠ Aquatic Acute 1, H400 (M=10); ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317, EUH071</li> </ul>	
	Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	
CAS: 55965-84-9	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one	<0.1%
	<ul style="list-style-type: none"> <li>⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331;</li> <li>⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317</li> </ul>	
	Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air.
- **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**  
Rinse out mouth and then drink plenty of water in small amounts (if person is conscious).  
Do not induce vomiting; call for medical help immediately. Show container or label.

### 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.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 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.
- **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

(Contd. on page 3)

# Safety data sheet

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

Printing date 11.05.2023

Version 4 (replaces version 3)

Revision: 11.05.2023

**Trade name: OTTOFLEX Protective Coating**

(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
*Unsuitable material for receptacle: aluminium, copper*  
*Prevent any seepage into the ground.*
- **Information about storage in one common storage facility:** *Store away from foodstuffs.*
- **Further information about storage conditions:**  
*Store and transport frost-free*  
*Store in cool, dry conditions in well sealed receptacles.*  
*Protect from heat and direct sunlight.*

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists valid during the making were used as basis.*
- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see item 7.*
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
*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 only when aerosol or mist is formed.*
- **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** *Fluid*
- **Colour:** *According to product specification*
- **Odour:** *Weak, characteristic*
- **Melting point/freezing point:** *undetermined*
- **Boiling point or initial boiling point and boiling range** *100 °C (Wasser)*
- **Lower and upper explosion limit**
- **Lower:** *not applicable*
- **Upper:** *not applicable*
- **Flash point:** *undetermined*
- **pH at 20 °C** *9*
- **Viscosity at 20 °C:** *15000 mPas*
- **Solubility**
- **Water:** *Dispersible*

(Contd. on page 4)

# Safety data sheet

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

Printing date 11.05.2023

Version 4 (replaces version 3)

Revision: 11.05.2023

Trade name: OTTOFLEX Protective Coating

(Contd. of page 3)

- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Vapour pressure:** Not determined.
- **Density and/or relative density**
- **Density at 20 °C:** 1.5 g/cm<sup>3</sup>
- **Vapour density** Not applicable.
- **Particle characteristics** undetermined
  
- **9.2 Other information**
- **Form:** Fluid
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
  
- **Information with regard to physical hazard classes**
- **Aerosols** Void
- **Flammable liquids** Void

### 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** No dangerous reactions known
- **10.6 Hazardous decomposition products:**  
No dangerous decomposition products known  
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.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **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** Based on available data, the classification criteria are not met.
- **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**  
None of the ingredients is listed.

### SECTION 12: Ecological information

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

(Contd. on page 5)

# Safety data sheet

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

Printing date 11.05.2023

Version 4 (replaces version 3)

Revision: 11.05.2023

**Trade name: OTTOFLEX Protective Coating**

(Contd. of page 4)

- **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**
- **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:**  
UK REACH - Europe listed  
AICS - Australia not listed  
DSL - Canada not listed  
IECSC - China not listed  
ENCs - Japan not listed  
NZIoC - New Zealand not listed  
PICCS - Philippines not listed

(Contd. on page 6)

# Safety data sheet

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

Printing date 11.05.2023

Version 4 (replaces version 3)

Revision: 11.05.2023

**Trade name: OTTOFLEX Protective Coating**

(Contd. of page 5)

ECL - Korea      *not listed*  
 TSCA - USA        *not 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**

H301    *Toxic if swallowed.*  
 H302    *Harmful if swallowed.*  
 H311    *Toxic in contact with skin.*  
 H314    *Causes severe skin burns and eye damage.*  
 H315    *Causes skin irritation.*  
 H317    *May cause an allergic skin reaction.*  
 H318    *Causes serious eye damage.*  
 H330    *Fatal if inhaled.*  
 H331    *Toxic if inhaled.*  
 H400    *Very toxic to aquatic life.*  
 H410    *Very toxic to aquatic life with long lasting effects.*  
 EUH071 *Corrosive to the respiratory tract.*

· **Department issuing SDS:** Tel.: 0049- (0)8684- 908- 2363

· **Contact:** Tel.: 0049- (0)8684- 908- 2363 ( -4300 )

· **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)  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Acute Tox. 4: Acute toxicity – Category 4  
 Acute Tox. 3: Acute toxicity – Category 3  
 Acute Tox. 2: Acute toxicity – Category 2  
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Skin Sens. 1: Skin sensitisation – Category 1  
 Skin Sens. 1A: Skin sensitisation – Category 1A  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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