

# Safety data sheet

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

Printing date 22.12.2022

Version 4 (replaces version 3)

Revision: 22.12.2022

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

- **1.1 Product identifier**
- **Trade name:** **OTTOSEAL P 720**
- **UFI:** 12E1-T0UQ-A000-576M
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture** Preparation of adhesives
- **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**



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Hardener LI (Isophoronedialdimine)  
Pentamethylpiperidylsebacate
- **Hazard statements**  
H317 May cause an allergic skin reaction.
- **Precautionary statements**  
P102 Keep out of reach of children.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves / eye protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
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.
- **2.3 Other hazards**  
Information according to UK REACH- Annex XVII.56
  - Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
  - Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
  - This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type A1 according to standard EN 14387) is used.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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· vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

##### · Description:

Prepolymer, based on diphenylmethandiisocyanat with monomeric and polymeric contents

##### · Dangerous components:

CAS: 77703-56-1	4,4'-METHYLENEBIS(1-BUTYL-3-PHENYLUREA)	0-<5%
ELINCS: 416-600-4	Aquatic Chronic 4, H413	
Reg.nr.: 01-0000016345-72-XXXX		
CAS: 13463-67-7	titanium dioxide	<5%
EINECS: 236-675-5	☠ Carc. 2, H351	
Reg.nr.: 01-2119489379-17		
CAS: 932742-30-8	Hardener LI (Isophoronedialdimine)	0-<1%
EC number: 700-071-4	⚠ Skin Sens. 1B, H317; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119880654-28-xxxx		
CAS: 1065336-91-5	Pentamethylpiperidylsebacate	<1%
EC number: 915-687-0	☠ Repr. 2, H361f; ⚠ Aquatic Acute 1, H400; Aquatic	
Reg.nr.: 01-2119491304-40-xxxx	Chronic 1, H410; ⚠ Skin Sens. 1A, H317	

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · General information

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

##### · After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

##### · 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 Allergic reactions

### 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.

##### · For safety reasons unsuitable extinguishing agents Water with full jet.

#### · 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:

Mount respiratory protective device.

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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 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
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **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.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
**13463-67-7 titanium dioxide**  
WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*total inhalable \*\*respirable
- **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:**  
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type A1 according to standard EN 14387) is used.
- **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.

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### SECTION 9: Physical and chemical properties

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

##### General Information

- |   |                                    |
|---|------------------------------------|
| · <b>Physical state</b>   | Solid.                             |
| · <b>Colour:</b>  | According to product specification |
| · <b>Odour:</b>   | Characteristic                     |
| · <b>Melting point/freezing point:</b>                            | undetermined                       |
| · <b>Boiling point or initial boiling point and boiling range</b> | undetermined                       |
| · <b>Lower and upper explosion limit</b>                          |                                    |
| · <b>Lower:</b>   | not applicable                     |
| · <b>Upper:</b>   | not applicable                     |
| · <b>Flash point:</b>   | undetermined                       |
| · <b>Decomposition temperature:</b>                               | Not determined.                    |
| · <b>pH</b>   | Not determined.                    |
| · <b>Viscosity:</b>   | Not determined.                    |
| · <b>Solubility</b>   |                                    |
| · <b>Water:</b>   | Hydrolized                         |
| · <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined.                    |
| · <b>Vapour pressure:</b>   | Not determined.                    |
| · <b>Density and/or relative density</b>                          |                                    |
| · <b>Density:</b>   | see technical datasheet            |
| · <b>Relative density</b>   | Not determined.                    |
| · <b>Vapour density</b>   | Not applicable.                    |

#### 9.2 Other information

- |   |   |
|---|---|
| · <b>Form:</b>  | pasty   |
| · <b>Auto-ignition temperature:</b>                         | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>                              | Product does not present an explosion hazard. |
| · <b>Information with regard to physical hazard classes</b> |   |
| · <b>Aerosols</b>   | Void  |
| · <b>Flammable liquids</b>                                  | 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**  
Reacts with alcohols  
Reacts with amines  
Exothermic reaction
- **10.5 Incompatible materials:**  
If isocyanate gets in contact with humidity, carbon dioxide is released. The carbon dioxide causes an overpressure in closed containers.
- **10.6 Hazardous decomposition products:** see item 5.2

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### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
  - **Acute toxicity**
  - **LD/LC50 values relevant for classification:**
- 
- 77703-56-1 4,4'-METHYLENEBIS(1-BUTYL-3-PHENYLUREA)**  
 Oral LD50 >2,000 mg/kg (rat)
- 13463-67-7 titanium dioxide**  
 Oral LD50 >5,000 mg/kg (rat)  
 Dermal LD50 >5,000 mg/kg (rbt)  
 Inhalative LC50/4 h >6.82 mg/l (rat)
- 932742-30-8 Hardener LI (Isophoronedialdimine)**  
 Oral LD50 >2,000 mg/kg (rat)  
 Dermal LD50 >2,000 mg/kg (rab)
- 1065336-91-5 Pentamethylpiperidylsebacate**  
 Oral LD50 3,230 mg/kg (rat)
- **Respiratory or skin sensitisation**  
 Sensitive people may react strongly to minimal concentrations. We advise asthmatics and people who tend to diseases of the respiratory tracts against the contact with this product.  
 May cause an allergic skin reaction.
  - **STOT-single exposure** 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

- **12.2 Persistence and degradability**
- **Other information:** Product is not biodegradable.
- **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.
- **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.

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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**
- **Information about limitation of use:**  
*Employment restrictions concerning juveniles must be observed.*  
*Employment restrictions concerning pregnant and lactating women must be observed.*
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**  
*Contains (1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich)*  
*UK REACH Annex XVII Entry 52 must be observed*
- **Details of international registration status:**  
**Listed on or in accordance with the following inventories:**  

DSL - Canada	listed
UK REACH - Europe	listed
AICS - Australia	not listed
IECSC - China	not listed
ENCS - Japan	not listed
NZIoC - New Zealand	not listed
PICCS - Philippines	not listed
ECL - Korea	not 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.*

- **Relevant phrases**  
H317 May cause an allergic skin reaction.

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H351 Suspected of causing cancer.  
 H361f Suspected of damaging fertility.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.  
 H413 May cause long lasting harmful effects to aquatic life.

· **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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Skin Sens. 1B: Skin sensitisation – Category 1B

Carc. 2: Carcinogenicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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

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