

## Safety data sheet according to UK REACH

Printing date 17.11.2025

Version number 4

Revision: 17.11.2025

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

- **1.1 Product identifier**
- **Trade name:** P 6
- **Article number:** V1007
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category**
  - PC14 Metal surface treatment products
  - PC15 Non-metal-surface treatment products
- **Application of the substance / the mixture** Polierpaste/ polishing paste
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  - OTEC Präzisionsfinish GmbH
  - Heinrich-Hertz-Straße 24
  - 75334 STRAUBENHARDT
  - Germany
  - msds@otec.de
  - www.otec.de
  - Tel. + 49 7082 491120
  - Fax + 49 7082 4911141
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**
  - +49 7082 491120
  - Monday to Thursday from 7 am to 5 pm
  - Fridays from 7 to 16 o'clock

### 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:**
  - Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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### 4 First aid measures

#### 4.1 Description of first aid measures

##### General information:

If symptoms occur or in case of doubt, seek medical advice.

Immediately remove any clothing soiled by the product.

##### After inhalation:

Supply fresh air.

Seek medical treatment in case of complaints.

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

##### After skin contact:

Wash off immediately with plenty of soap and water.

Wash contaminated clothing before reuse.

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

##### After eye contact:

Immediately rinse carefully and thoroughly with eye wash or water. Remove any contact lenses if possible.

Continue rinsing. Consult a doctor immediately.

##### After swallowing:

Spit out. Rinse out mouth. Drink plenty of water. Do not induce vomiting. Seek medical advice if you feel unwell.

#### 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

Symptomatic treatment

### 5 Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing agents:

Carbon dioxide (CO<sub>2</sub>)

Dry extinguishing agent

Alcohol-resistant foam

Water haze

Use fire extinguishing methods suitable to surrounding conditions.

#### 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide (CO)

Nitrogen oxides (NO<sub>x</sub>)

#### 5.3 Advice for firefighters

##### Protective equipment:

Wear self-contained respiratory protective device.

##### Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

#### 6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Dilute with plenty of water.

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 section 13.

Ensure adequate ventilation.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

### 7 Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Standard fire prevention measures.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store only in the original receptacle.  
Protect from frost. Store in a cool and dry place. Keep container tightly closed.  
Protect from heat and direct sunlight.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with:  
explosive hazardous substances  
oxidising hazardous substances  
radioactive substances
- **Further information about storage conditions:**  
Store in a cool place.  
Shelf life: 12 months after date of manufacture, in unopened container
- **7.3 Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:**  
If technical extraction or ventilation measures are not possible or insufficient, respiratory protection must be worn.
- **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.

#### · DNELs

##### CAS: 111-42-2 2,2'-iminodiethanol

Dermal	DNEL	4.16 mg/kg /day (Worker (D))
Inhalative	DNEL	73.44 mg/m <sup>3</sup> (Worker (I))

#### · PNECs

##### CAS: 111-42-2 2,2'-iminodiethanol

PNEC aqua	0.0022 mg/l (freshwater)
	0.00022 mg/l (marine water)
	0.007 mg/l (microorganisms)
PNEC sediment	0.012 mg/kg (freshwater)
	0.0012 mg/kg (marine water)
PNEC soil	0.241 mg/kg (terrestrial macroorganisms except arthropods)

- **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Do not eat, drink, smoke or sniff while working.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.
- **Respiratory protection:**  
Respiratory protection is required:
  - Exceeding limit values
  - in case of insufficient ventilation, aerosol or mist formation
 Particle filter device (DIN EN 143)  
Filter P1  
Filter P2

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Filter P3

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.

- **Protection of hands:**

No chemical-protective gloves required.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Fluorocarbon rubber (Viton)

Butyl rubber, BR

Chloroprene rubber, CR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

Frame spectacles with side protection

DIN EN 166

- **Body protection:** Lab coat

## 9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form: Fluid

Colour: White

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Undetermined.

- **Flash point:** Not applicable.

- **Flammability** Not applicable.

- **Decomposition temperature:** Not determined.

- **Ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

- **Vapour pressure:** Not determined.

- **Density at 20 °C:** 1.2 g/cm<sup>3</sup>

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with water:**

Dispersible.

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- |  |  |
|--|--|
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.                            |
| · <b>Viscosity:</b>                              |  |
| Dynamic:   | Not determined.                            |
| Kinematic:                                       | Not determined.                            |
| · <b>Solvent content:</b>                        |  |
| Organic solvents:                                | <1.0 %                                     |
| VOC (EC)   | 2-<4 %                                     |
| · <b>9.2 Other information</b>                   | No further relevant information available. |

### 10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable under specified storage conditions.
- **10.3 Possibility of hazardous reactions** Reacts with oxidising agents.
- **10.4 Conditions to avoid** Avoid high temperatures and direct sunlight.
- **10.5 Incompatible materials:**
  - Oxidising agent
  - Reducing agent
- **10.6 Hazardous decomposition products:**
  - In the event of fire, hazardous decomposition products may be formed.
  - Carbon monoxide
  - Carbon dioxide
  - Nitrogen oxides (NO<sub>x</sub>)

### 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

**CAS: 111-42-2 2,2'-iminodiethanol**

Oral	LD50	1,600 mg/kg (rat)
Dermal	LD50	12,200 mg/kg (rabbit)

**CAS: 2682-20-4 2-methyl-2H-isothiazol-3-one**

Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50/4 h	0.5 mg/l (ATE)

- **Primary irritant effect:**
- **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.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

### 12 Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**CAS: 111-42-2 2,2'-iminodiethanol**

LC50/96h	460 mg/l (Oncorhynchus Mykiss)
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EC50/48h	55 mg/l (daphnia)
EC10/72h	1.4 mg/l (Pseudokirchneriella subcapitata)
EC50/72h	9.5 mg/L (Pseudokirchneriella subcapitata)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** Bioaccumulation is unlikely.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Disposal in accordance with official regulations.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- |  |                 |
|--|-----------------|
| · <b>14.1 UN-Number</b>  |                 |
| · <b>ADR/RID/ADN, ADN, IMDG, IATA</b>  | not regulated   |
| · <b>14.2 UN proper shipping name</b>  |                 |
| · <b>ADR/RID/ADN, ADN, IMDG, IATA</b>  | not regulated   |
| · <b>14.3 Transport hazard class(es)</b>   |                 |
| · <b>ADR/RID/ADN, ADN, IMDG, IATA</b>  |                 |
| · <b>Class</b>   | not regulated   |
| · <b>14.4 Packing group</b>  |                 |
| · <b>ADR/RID/ADN, IMDG, IATA</b>   | not regulated   |
| · <b>14.5 Environmental hazards:</b>   | Not applicable. |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | not regulated   |

### 15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## 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.

• **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

• **Department issuing SDS:** Product safety department

• **Contact:** Nadine Waltenberger

• **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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

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