

Safety data sheet according to UK REACH

Printing date 17.11.2025

Version number 2

Revision: 17.11.2025

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

- **1.1 Product identifier**
- **Trade name:** **P 28**
- **Article number:** V1033.1 + V1033.5
- **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** PC31 Polishes and wax blends
- **Process category**
 - PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
 - PROC21 Low energy manipulation and handling of substances bound in/on materials or articles
 - PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
 - PROC19 Manual activities involving hand contact
- **Environmental release category**
 - ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
 - ERC2 Formulation into mixture
- **Application of the substance / the mixture** Polishing agent/ Burnishing compound
- **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
- **Precautionary statements**
 - P103 Read carefully and follow all instructions.
- **Additional information:**
 - Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

GB

(Contd. on page 2)

Safety data sheet

according to UK REACH

Printing date 17.11.2025

Version number 2

Revision: 17.11.2025

Trade name: P 28

(Contd. of page 1)

3 Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description:

Pasty viscous and completely wax/grease-bonded abrasive powder mixture intended for use in special machines.

Contains a highly refined mineral oil (CAS NR. 64742-54-7), but according to IP346 with a dimethyl sulphoxide (DMSO) extractable content of less than < 3% (w/w)

Dangerous components:

CAS: 1344-28-1 EINECS: 215-691-6 Reg.nr.: 01-2119529248-35-xxxx	aluminium oxide substance with a Community workplace exposure limit	>25-≤100%
CAS: 64742-54-7 EINECS: 265-157-1 Index number: 649-467-00-8 Reg.nr.: 01-2119484627-25-0002-0006	Distillates (petroleum), hydrotreated heavy paraffinic ⚠ Asp. Tox. 1, H304	>25-≤50%
EC number: 918-481-9 Reg.nr.: 01-2119457273-39-xxxx	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclis,<2% aromatics ⚠ Asp. Tox. 1, H304	>5-≤10%

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

4 First aid measures

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell, seek medical advice immediately.

Change soiled, soaked clothing.

Do not leave affected persons unattended.

Be aware of the risk of aspiration in case of vomiting!

No special measures required.

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

• **After skin contact:** If skin irritation continues, consult a doctor.

• **After eye contact:** Rinse opened eye for several minutes under running water.

• **After swallowing:** Rinse out mouth. Spit out liquid again. DO NOT induce vomiting. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reaction

Nausea

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

Later observation for pneumonia and pulmonary oedema.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, 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 possible in case of fire!

Carbon monoxide (CO)

Nitrogen oxides (NO_x)

5.3 Advice for firefighters

• **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources.

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

Avoid formation of dust.

(Contd. on page 3)

GB

Safety data sheet

according to UK REACH

Printing date 17.11.2025

Version number 2

Revision: 17.11.2025

Trade name: P 28

(Contd. of page 2)

- 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:** Pick up mechanically.
- **6.4 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

- **7.1 Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** The product is flame retardant.
- **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.
Suitable material for container:
Polyethylene;
Container should be solvent resistant
- **Information about storage in one common storage facility:**
Store away from flammable substances.
Store away from oxidising agents.
- **Further information about storage conditions:**
Shelf life: 12 months after date of manufacture, in unopened container
Protect from frost.
- **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:** No further data; see section 7.

- **Ingredients with limit values that require monitoring at the workplace:**

CAS: 1344-28-1 aluminium oxide

WEL	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
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- **Regulatory information** WEL: EH40/2020

- **DNELs**

CAS: 1344-28-1 aluminium oxide

Inhalative	DNEL	15.63 mg/m ³ (Worker (I))
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- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

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

- **Respiratory protection:** Combination filter device (EN 14387)

- **Protection of hands:**

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)

Nitrile rubber, NBR

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.

(Contd. on page 4)

Safety data sheet

according to UK REACH

Printing date 17.11.2025

Version number 2

Revision: 17.11.2025

Trade name: P 28

(Contd. of page 3)

- **Eye protection:** Frame spectacles with side protection
- **Body protection:** Light weight protective clothing

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Pasty
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.

· pH-value at 20 °C: 6-7

· Change in condition

Melting point/freezing point:	>30 °C
Initial boiling point and boiling range:	>170 °C

· Flash point: >65 °C

· Flammability: Not determined.

· Auto-ignition temperature: >200 °C

· Decomposition temperature: Not determined.

· Ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower:	0.6 Vol %
Upper:	7 Vol %

· Vapour pressure: Not applicable.

· Density at 20 °C:	1.2 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.

· Solubility in / Miscibility with water: Soluble.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic:	Not applicable.
Kinematic at 40 °C:	>20.5 mm ² /s

· Solvent content:

VOC (EC)	5 %
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· 9.2 Other information: No further relevant information available.

10 Stability and reactivity

· 10.1 Reactivity: No decomposition if stored and used as directed.

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided: Stable under specified storage conditions.

· 10.3 Possibility of hazardous reactions: No dangerous reactions known.

· 10.4 Conditions to avoid: No further relevant information available.

· 10.5 Incompatible materials: Oxidising agent

· 10.6 Hazardous decomposition products:

Thermal decomposition may lead to the release of irritating gases and vapours.

GB

(Contd. on page 5)

Safety data sheet

according to UK REACH

Printing date 17.11.2025

Version number 2

Revision: 17.11.2025

Trade name: P 28

(Contd. of page 4)

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: 1344-28-1 aluminium oxide

Oral	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	≥7.6 mg/l (rat)

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclis, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5 mg/l (rat) (OECD)
	LC50/96 h	1,000 mg/l (Oncorhynchus Mykiss) (OECD 203)

- **Primary irritant effect:**
- **Skin corrosion/irritation** In rare cases, the product may cause temporary reddening of the skin.
- **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: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

LL/EL/IL 50	>100 mg/l (Oncorhynchus Mykiss)
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Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclis, <2% aromatics

EC50/48h	1,000 mg/l (daphnia) (OECD 202)
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- **12.2 Persistence and degradability** The product is biodegradable after prolonged adaptation.
- **12.3 Bioaccumulative potential** No indication of bioaccumulation potential.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 6)

GB

Safety data sheet according to UK REACH

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Version number 2

Revision: 17.11.2025

Trade name: P 28

(Contd. of page 5)

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number
· ADR/RID/ADN, IMDG, IATA | not regulated |
| · 14.2 UN proper shipping name
· ADR/RID/ADN, IMDG, IATA | not regulated |
| · 14.3 Transport hazard class(es)
· ADR/RID/ADN, ADN, IMDG, IATA
· Class | not regulated |
| · 14.4 Packing group
· ADR/RID/ADN, IMDG, IATA | not regulated |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | 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
- **Precautionary statements**
P103 Read carefully and follow all instructions.
- **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.

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**
H304 May be fatal if swallowed and enters airways.
- **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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard – Category 1
- *** Data compared to the previous version altered.**