

Safety Data Sheet
in accordance with HSNO

Printing date 16.03.2022

Version number 11.0

Revision: 08.03.2022

SECTION 1: Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name: *Metal Polish***
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Abrasive and polishing compound
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Menzerna polishing compounds GmbH & Co. KG
Industriestraße 25
76470 ÖTIGHEIM
GERMANY
sds@menzerna.com
Tel.: +49 (0) 7222 9157-0
www.menzerna.com

- **New Zealand Distributor:**
Wyatt Machine Tools Rupes (NZ) Limited
388 Church Street, Penrose, Auckland, New Zealand
Ph (09) 525 1000
- **Further information obtainable from:** info@wyatt.co.nz
- **Emergency telephone number:** 0800 992 881 (0800WYATT1)

* **SECTION 2: Hazards identification**

- **Classification of the substance or mixture**
Flam. Liq. 4 H227 Combustible liquid.
Aquatic Acute 3 H402 Harmful to aquatic life.

- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms** Void
- **Signal word** Warning
- **Hazard statements**
Combustible liquid.
Harmful to aquatic life.
- **Precautionary statements**
Keep away from flames and hot surfaces. No smoking.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of fire: Use CO₂, powder or water spray to extinguish.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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* **SECTION 3: Composition/Information on ingredients**

· **Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 61790-12-3 EINECS: 263-107-3	Fatty acids, tall-oil Acute Tox. 5, H303	10-25%
CAS: 64742-48-9 EC number: 918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, (< 2% aromatics) ⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227	2.5-10%
CAS: 102-71-6 EINECS: 203-049-8	Triethanolamine Acute Tox. 5, H313	2.5-10%
CAS: 8002-74-2 EINECS: 232-315-6	Paraffin waxes and Hydrocarbon waxes Acute Tox. 5, H313	≤2.5%
CAS: 68439-49-6 Polymer	alcohols, C16-18, ethoxylated ⚠ Aquatic Acute 1, H400; Aquatic Chronic 3, H412	≥0.25-<2.5%
CAS: 1336-21-6 EINECS: 215-647-6	ammonia ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400	<0.25%

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

SECTION 4: First aid measures

· **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. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

Treat according to symptoms.

SECTION 5: Fire fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Water spray, foam, dry powder or carbon dioxide.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture** Nitrogen oxides (NOx)

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

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Wear fully protective suit.

SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.

SECTION 7: Handling and storage

- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a well-ventilated place. Storage temperature: between 5°C and 30°C.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

* **SECTION 8: Exposure controls/personal protection**

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

CAS: 1344-28-1 aluminium oxide (25-50%)

WES Long-term value: 10 mg/m³

CAS: 102-71-6 Triethanolamine (2.5-10%)

WES Long-term value: 5 mg/m³

CAS: 8002-74-2 Paraffin waxes and Hydrocarbon waxes (≤2.5%)

WES Long-term value: 2 mg/m³

- **Additional information:** The lists valid during the making were used as basis.
- **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.
- **Respiratory protection:** Not necessary if room is well-ventilated.

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· **Hand protection**

Normally one does not come into direct contact with the product during use. At the risk of entanglement of protective glove in rotating or linear moving machine parts protective gloves should not be worn.

Recommendation for short-term exposure: Use chemical resistant gloves.

· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.45 mm

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**

≥ 480 min

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

· **Eye/face protection** Safety glasses

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· Colour:	Pink
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	>100 °C (>212 °F)
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	>65 °C (>149 °F) (DIN EN ISO 3680)
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity at 40 °C (104 °F)	> 20.5 mm ² /s
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
· Density and/or relative density	
· Density at 20 °C (68 °F):	1.3 g/cm ³ (10.85 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.

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· Other information	
· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· VOC (EC)	8.52 %
· Change in condition	
· Softening point/range	
· Oxidising properties	Not determined.
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	
Combustible liquid.	
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **Reactivity** None under normal conditions.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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* **SECTION 11: Toxicological information**

· **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:**

CAS: 61790-12-3 Fatty acids, tall-oil

Oral	LD50	>2,000 mg/kg (rat)
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CAS: 102-71-6 Triethanolamine

Oral	LD50	~7,200 mg/kg (rat) (BASF-Test)
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Dermal	LD50	>2,000 mg/kg (rabbit)
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CAS: 8002-74-2 Paraffin waxes and Hydrocarbon waxes

Oral	LD50	>5,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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· **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.

· **Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

* **SECTION 12: Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

CAS: 61790-12-3 Fatty acids, tall-oil

LC50/96h	>10,000 mg/l (daphnia)
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EC50 (48h)	>10,000 mg/l (daphnia)
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EC50 (72h)	>1,000 mg/l (algae)
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CAS: 64742-48-9 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, (< 2% aromatics)

LL50 (24h)	>1,000 mg/l (fi)
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LL50 (48h)	>1,000 mg/l (fi)
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CAS: 102-71-6 Triethanolamine

LC50/96h	11,800 mg/l (pimephales promelas) (Fischtest akut, Durchfluss)
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EC10 (72h) (static)	26 mg/l (Scenedesmus subspicatus) (DIN 38412 Teil 9 statisch)
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EC50 (24h)	2,038 mg/l (daphnia) (Daphnientest akut)
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EC50 (72h) (static)	512 mg/l (Scenedesmus subspicatus) (DIN 38412 Teil 9 statisch)
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CAS: 8002-74-2 Paraffin waxes and Hydrocarbon waxes	
EL50	>10,000 mg/l (dah)
LL50	>100 mg/l (fi)
NOEL	>100 mg/l (al)
· Persistence and degradability	
CAS: 68439-49-6 alcohols, C16-18, ethoxylated	
degradability	>60 %

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.
- **Waste disposal key:**
Waste codes should be determined in consultation with the customer, supplier and disposal.
- **Uncleaned packaging:**
- **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· UN number or ID number	
· ADR/RID, ADN, IMDG, IATA	Void
· UN proper shipping name	
· ADR/RID, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADR/RID, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR/RID, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No

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· Special precautions for user	Not applicable.
· Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

* **SECTION 15: Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **New Zealand Inventory of Chemicals**

All ingredients are listed.

· **HSNO Approval numbers**

CAS: 102-71-6 | Triethanolamine

HSR002785

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms** Void

· **Signal word** Warning

· **Hazard statements**

Combustible liquid.

Harmful to aquatic life.

· **Precautionary statements**

Keep away from flames and hot surfaces. No smoking.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

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

SECTION 16: Other information

The details of the safety data sheet apply only to the product described in the context of its intended use.

The information is based on the current state of our knowledge. It is intended to describe our product in view of the risks posed by it and the relevant precautionary measures. It does not represent an assurance of product and quality characteristics. The information in this safety data sheet is required under Article 31 and Annex II of Regulation EC (VO) no. 1907/2006.

· **Relevant phrases**

H227 Combustible liquid.

H303 May be harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H313 May be harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

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- **Department issuing SDS:** Product and Environmental Safety Department
- **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
 - 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)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Flam. Liq. 4: Flammable liquids – Category 4
 - Acute Tox. 5: Acute toxicity – Category 5
 - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 - Asp. Tox. 1: Aspiration hazard – Category 1
 - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 - Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
 - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- *** Data compared to the previous version altered.**