

**Safety Data Sheet**  
**in accordance with HSNO**

Printing date 16.03.2022

Version number 4.0

Revision: 16.03.2022

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

· **Product identifier**

· **Trade name:** *Endless Shine*

· **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** cleaning spray

· **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**



flame

Flam. Liq. 3      H226 Flammable liquid and vapour.

Acute Tox. 5      H333 May be harmful if inhaled.

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**



GHS02

· **Signal word** Warning

· **Hazard statements**

Flammable liquid and vapour.

May be harmful if inhaled.

Harmful to aquatic life.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.

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

- **Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336; Acute Tox. 5, H333	≥2.5-<10%
CAS: 64742-48-9 EC number: 920-901-0	Naphtha (petroleum), hydrotreated heavy(Nota P, -R45, R46, <0.1% benzene) ⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227; Acute Tox. 5, H313	2.5-10%
	Polydimethylsiloxane Acute Tox. 5, H313	≤2.5%
CAS: 69011-36-5	Isotridecaanol, ethoxylated ⚠ Acute Tox. 3, H301; ⚠ Eye Dam. 1, H318	≥0-<1%
CAS: 101-86-0 EINECS: 202-983-3	alpha-Hexylcinnamaldehyde ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	≥0.025-<0.1%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

C11-15 PARETH-12	<5%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **Description of first aid measures**
- **General information:** No special measures required.
- **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.

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- **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.  
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:**  
Dilute with plenty of water.  
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:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **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.  
Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

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

· **Control parameters**

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

**CAS: 67-63-0 propan-2-ol (≥2.5-<10%)**

WES	Short-term value: 1230 mg/m <sup>3</sup> , 500 ppm Long-term value: 983 mg/m <sup>3</sup> , 400 ppm
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· **DNELs**

**CAS: 67-63-0 propan-2-ol**

Oral	DNEL, general population, oral	26 mg/kg KG/d (general population)
Dermal	DNEL, general population, dermal	319 mg/kg KG/d (general population)
	DNEL, worker, dermal	888 mg/kg KG/d (worker)
Inhalative	DNEL, general population, inhalativ	89 mg/m <sup>3</sup> (general population)
	DNEL, worker, inhalativ	500 mg/m <sup>3</sup> (worker)

· **PNECs**

**CAS: 67-63-0 propan-2-ol**

sewage treatment plant	2,251 mg/l
freshwater	140,900 µg/l
seawater	140.9 mg/l
sediment	552 mg/kg
soil	28 mg/kg
PNEC (Sekundärvergiftung)	160 mg/kg Nahrung

· **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:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Hand protection**



Protective gloves

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.

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

· **Material of gloves**

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.

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Nitrile rubber, NBR

· **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



Tightly sealed goggles

· **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

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

· **General Information**

· **Colour:**

Whitish

· **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:**

45 °C (113 °F) (DIN EN ISO 2719)

· **Decomposition temperature:**

Not determined.

· **pH at 20 °C (68 °F)**

7-10

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic:**

Not determined.

· **Solubility**

· **water:**

Partly miscible.

· **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):**

0.97 g/cm<sup>3</sup> (8.09 lbs/gal)

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **Other information**

· **Appearance:**

· **Form:**

Liquid

· **Important information on protection of health and environment, and on safety.**

· **Auto-ignition temperature:**

Product is not selfigniting.

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· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Solvent content:</b>	
· <b>VOC (EC)</b>	10.09-<10.18 %
· <b>Change in condition</b>	
· <b>Softening point/range</b>	
· <b>Oxidising properties</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
<b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	
Flammable liquid and vapour.	
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	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.

**SECTION 11: Toxicological information**

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**  
May be harmful if inhaled.

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· <b>LD/LC50 values relevant for classification:</b>		
<b>CAS: 67-63-0 propan-2-ol</b>		
Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	13,900 mg/kg (rabbit)
Inhalative	LC50/4 h	>25 mg/l (rat)
<b>CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy(Nota P, -R45, R46, &lt;0.1% benzene)</b>		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rab)
<b>Polydimethylsiloxane</b>		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,008 mg/kg (rat)

- **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**

· <b>Endocrine disrupting properties</b>		
CAS: 556-67-2	octamethylcyclotetrasiloxane	List II, III
CAS: 118-58-1	benzyl salicylate	List II

**SECTION 12: Ecological information**

· **Toxicity**

· <b>Aquatic toxicity:</b>		
<b>CAS: 67-63-0 propan-2-ol</b>		
LC50/24h	9,714 mg/l (daphnia)	
LC50/96h	9,640 mg/l (pimephales promelas)	
EC50	>100 mg/l (bacteria)	
EC50 (72h)	>100 mg/l (Scenedesmus subspicatus)	
<b>Polydimethylsiloxane</b>		
EC50 (48h) (static)	>0.0001 mg/l (daphnia)	
· <b>Persistence and degradability</b>		
<b>CAS: 67-63-0 propan-2-ol</b>		
degradability	53 % (consumption of oxygene (time 5d))	
· <b>Bioaccumulative potential</b>		
<b>CAS: 67-63-0 propan-2-ol</b>		
log KOW	0.05	

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**CAS: 101-86-0 alpha-Hexylcinnamaldehyde**

log KOW | 5.3

- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **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**  
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **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.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

· <b>UN number or ID number</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>ADR/RID, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Maritime transport in bulk according to IMO instruments</b>	Not applicable.

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· 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: 67-63-0	propan-2-ol	HSR001180
CAS: 69011-36-5	Isotridecaanol, ethoxylated	HSR003551

· **GHS label elements**

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

· **Hazard pictograms**



GHS02

· **Signal word** Warning

· **Hazard statements**

Flammable liquid and vapour.

May be harmful if inhaled.

Harmful to aquatic life.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

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

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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**

H225 Highly flammable liquid and vapour.

H227 Combustible liquid.

H301 Toxic if swallowed.

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H304 May be fatal if swallowed and enters airways.  
H313 May be harmful in contact with skin.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H333 May be harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

· **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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 5: Acute toxicity – Category 5

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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