

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 19.02.2020

Version number 6

Revision: 19.02.2020

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

· **1.1 Product identifier**

· Trade name: **Power Lock**

· **1.2 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

· **1.3 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

· **Further information obtainable from:** Product and Environmental Safety Department

· **1.4 Emergency telephone number:** CHEMTREC: +1 703-741-5970 / 1-800-424-9300 CCN 842438

* **SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

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



GHS08 health hazard

STOT RE 2 H373 May cause damage to the central nervous system through prolonged or repeated exposure.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS08

· **Signal word** Warning

· **Hazard-determining components of labelling:**

Stoddard solvent

· **Hazard statements**

H373 May cause damage to the central nervous system through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

EC number: 927-676-8 Reg.nr.: 01-2119456377-30	Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics ☠ Asp. Tox. 1, H304	10-25%
CAS: 71750-80-6 EC number: 615-337-4	Siloxanes and silicones, di-Me,[[[3-[(2-aminoethyl)amino]propyl]dimethoxysilyl]oxy]-terminated ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥2.5-<10%
CAS: 8052-41-3 EINECS: 232-489-3	Stoddard solvent ☠ Flam. Liq. 3, H226; ☠ Acute Tox. 3, H331; ☠ STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥2.5-<10%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol ☠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≥0-<10%
CAS: 69430-37-1 Polymer	Dimethyl Siloxane, HO-term Rxn Methyltrimethoxysilane & Aminoethylaminopropyltrimethoxysilane ☠ Flam. Liq. 2, H225; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥0.25-<2.5%
CAS: 67-56-1 EINECS: 200-659-6	methanol ☠ Flam. Liq. 2, H225; ☠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ☠ STOT SE 1, H370	≥0-≤2.5%

- **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:**

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

Immediately remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

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

· **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.

Do not induce vomiting; call for medical help immediately.

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- **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**
Treat according to symptoms.
If swallowed or in case of vomiting, danger of entering the lungs.

* **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Water spray, foam, dry powder or carbon dioxide.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Nitrogen oxides (NOx)
Carbon oxides
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

* **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
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 item 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.
See Section 13 for disposal information.

* **SECTION 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:** No special measures required.
- **7.2 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.
- **Storage class:** 10

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· **7.3 Specific end use(s)** No further relevant information available.

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

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

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

CAS: 67-56-1 methanol

IOELV	Long-term value: 260 mg/m ³ , 200 ppm
	Skin

· **DNELs**

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

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

· **PNECs**

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

PNEC (Kläranlage)	2,251 mg/l
PNEC (Süßwasser)	140,900 µg/l
PNEC (Meerwasser)	140.9 mg/l
PNEC (Sediment)	552 mg/kg
PNEC (Boden)	28 mg/kg
PNEC (Sekundärvergiftung)	160 mg/kg Nahrung

CAS: 67-56-1 methanol

PNEC (Kläranlage)	100 mg/l
PNEC (Süßwasser)	20,800 µg/l
PNEC (Meerwasser)	2.08 mg/l
PNEC (Sediment - Süßwasser)	77 mg/kg
PNEC (Sediment Meerwasser)	7.7 mg/kg
PNEC (Boden)	100 mg/kg

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

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

Wash hands before breaks and at the end of work.

Store protective clothing separately.

· **Respiratory protection:**

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.

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· **Protection of hands:**



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.

· **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.

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 protection:** Safety glasses

· **Body protection:** Protective work clothing

* **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Viscous
Colour:	Different according to colouring
· Odour:	Solvent-like
· Odour threshold:	Not determined.
· pH-value at 20 °C (68 °F):	7-10
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	>100 °C (>212 °F)
· Flash point:	48 °C (118.4 °F)
· Flammability (solid, gas):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Oxidising properties	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C (68 °F):	1 g/cm ³ (8.35 lbs/gal)

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· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: Dynamic: Kinematic at 40 °C (104 °F):	Not determined. >20.5 mm ² /s
· Solvent content: VOC (EC) · 9.2 Other information	10,29-10,93 % CLP Annex 1, 2.6.4.5 Liquids with a flash point of more than 35 °C and not more than 60 °C need not be classified in Category 3 if negative results have been obtained in the sustained combustibility test L.2, Part III, section 32 of the UN RTDG, Manual of Tests and Criteria. Result: negative

SECTION 10: Stability and reactivity

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

* **SECTION 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:		
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rab)
CAS: 8052-41-3 Stoddard solvent		
Oral	LD50	>5,000 mg/kg (rat) (OECD-Richtlinie)
Dermal	LD50	>3,000 mg/kg (rab) (OECD-Richtlinie)
CAS: 67-63-0 propan-2-ol		
Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	13,900 mg/kg (rabbit)
Inhalative	LC50/4 h	>25 mg/l (rat)

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CAS: 67-56-1 methanol

Oral	LD50	340 mg/kg (humans) (Schätzwert) 5,628 mg/kg (rat)
	LD50	29-237 ml (humans) (Schätzwert)
Dermal	LD50	15,800 mg/kg (rabbit)

- **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.
- **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**
May cause damage to the central nervous system through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

* **SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

CAS: 8052-41-3 Stoddard solvent

LC50/96h	3.5 mg/l (Chaetogammarus marinus) 2.5 mg/l (Oncorhynchus mykiss)
NOEC (96h)	0.16 mg/l (Pseudokirchneriella subcapitata) (OECD-Richtlinie)
NOEC (21d)	0.28 mg/l (daphnia)
NOEC (112d)	<1.4 mg/l (Oncorhynchus mykiss)
ErC50 (96h)	1.2 mg/l (Pseudokirchneriella subcapitata) (OECD-Richtlinie)

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

LC50/24h	9,714 mg/l (daphnia) (OECD-Richtlinie)
LC50/96h	9,640 mg/l (pimephales promelas) (OECD-Richtlinie)
EC50	>100 mg/l (bacteria)
EC50 (72h)	>100 mg/l (Scenedesmus subspicatus)

CAS: 69430-37-1 Dimethyl Siloxane, HO-term Rxn Methyltrimethoxysilane & Aminoethylaminopropyltrimethoxysilane

EC50 (48h)	>0.1-1 mg/l
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CAS: 67-56-1 methanol

LC50/48h	>10,000 mg/l (daphnia)
LC50/96h	15,400 mg/l (Lepomis macrochirus)
ErC50 (96h)	22,000 mg/l (Pseudokirchneriella subcapitata)

· **12.2 Persistence and degradability**

CAS: 8052-41-3 Stoddard solvent

degradability	>63 % (OECD-Richtlinie)
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CAS: 67-63-0 propan-2-ol	
degradability	53 % (consumption of oxygene (time 5d))
· 12.3 Bioaccumulative potential	
CAS: 8052-41-3 Stoddard solvent	
log KOW	5.25 /gemessen
CAS: 67-63-0 propan-2-ol	
log KOW	0.05
CAS: 67-56-1 methanol	
BCF	<100
	<10 /gemessen (Leuciscus idus)

- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
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.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must be specially treated adhering 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

· 14.1 UN-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:	Not applicable.
· 14.6 Special precautions for user	Not applicable.

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|--|-----------------|
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

* **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation 1907/2006/EC, REACH concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
Regulation 453/2010/EU, REACH as amended.
Regulation 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

CAS: 556-67-2	octamethylcyclotetrasiloxane
CAS: 541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
CAS: 540-97-6	Dodecamethylcyclohexasiloxane

- **15.2 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.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
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.

- **Department issuing SDS:** Product and Environmental Safety Department

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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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 (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 3: Acute toxicity - inhalation – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
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
· * **Data compared to the previous version altered.**