

KWH Mirka Ltd
66850 Jeppo

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SECTION 1: Identification of the substance / preparation and of the company

Product identifier **Polarshine Polishing Compound 10**

Relevant identified uses of the substance or mixture and uses advised against Polishing compound

Identified use none

Company KWH Mirka Ltd

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SECTION 2: Hazards identification

Emergency Overview

Appearance, Odor: pasty, white, mild

CAUTION

COMBUSTIBLE LIQUID AND VAPOR.

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

MAY CAUSE EYE IRRITATION.

OSHA Regulatory Status

This product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200.

Potential health effects

Has a degreasing effect on the skin.

Potential environmental effects

SECTION 3: Composition / Information on ingredients

The product is a mixture.

Range [%]	Substance
20 - <25	Hydrocarbons, C11- C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS: 64742-47-8
10 - <15	Aluminium oxide CAS: 1344-28-1
1 - <10	White mineraloil (petroleum) CAS: 8042-47-5
1 - <5	Glycerol CAS: 56-81-5
1 - <3	Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched / CAS: 9043-30-5

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For the wording of the listed risk phrases refer to SECTION 16.

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SECTION 4: First aid measures

Description of first aid measures	Change soaked clothing.
Inhalation	Ensure supply of fresh air.
Skin contact	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion	Supply with medical care. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically. Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

Suitable extinguishing media	foam, dry powder, water spray jet, carbon dioxide
Extinguishing media that must not be used	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products	Not combusted hydrocarbons. Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.
Additional information	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation.
Environmental precautions	High risk of slipping due to leakage/spillage of product. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
Methods and material for containment and cleaning up	Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance with the regulations.

SECTION 7: Handling and storage

Precautions for safe handling	Use only in well-ventilated areas. Avoid spilling in enclosed areas. Use solvent-resistant equipment. During mechanical processing vacuuming at processing machines is necessary.
Advice on protection against fire and explosion	Keep away from all sources of ignition - Refrain from smoking.
Requirements for storage rooms and vessels	Provide solvent-resistant and impermeable floor. Prevent penetration into the ground. Keep only in original container.
Advice on storage compatibility	Do not store together with oxidizing agents.
Further information on storage conditions	Protect from heat/overheating. Keep container in a well-ventilated place. Keep container tightly closed. Do not store at temperatures below 0 °C.

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SECTION 8: Exposure controls / personal protection

Additional advice on system design Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored (US)

Range [%]	Substance
1 - <10	White mineraloil (petroleum) CAS: 8042-47-5, EINECS/ELINCS: 232-455-8, ECB-Nr.: 01-2119487078-27-XXXX Long-term exposure: 5 mg/m ³ , TWA (as mist)
1 - <5	Glycerol CAS: 56-81-5, EINECS/ELINCS: 200-289-5 Long-term exposure: 15 mg/m ³ , (mist) total dust
1 - <15	Aluminium oxide CAS: 1344-28-1, EINECS/ELINCS: 215-691-6, ECB-Nr.: 01-2119529248-35-XXXX Long-term exposure: 15 mg/m ³ , Total dust

Respiratory protection Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, combination filter A-P1.

Hand protection The details concerned are recommendations. Please contact the glove supplier for further information.
In full contact
Butyl rubber, >480 min (EN 374).
In splash contact
Nitrile rubber, >480 min (EN 374).

Eye protection Safety glasses.

Skin protection Protective clothing.

General protective measures Do not inhale gases/vapours/aerosols.
Avoid contact with eyes and skin.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Hygiene measures Do not eat or drink when working.
Wash hands before breaks and after work.
Use barrier skin cream.

Delimitation and monitoring of the environmental exposition See SECTION 6+7.

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SECTION 9: Physical and chemical properties

Form	pasty
Color	white
Odor	mild
pH-value	7-8
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	> 65°C / > 149°F
Flammability [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	~1,05
Bulk density [kg/m³]	not applicable
Solubility in water	miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	>7 mm²/s (40°C/ 104°F)
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature	not determined

SECTION 10: Stability and reactivity

Reactivity	No dangerous reactions known if used as directed.
Chemical stability	Stable under normal ambient conditions (ambient temperature).
Possibility of hazardous reactions	Reactions with oxidizing agents.
Conditions to avoid	Strong heating.
Incompatible materials	See SECTION 10.3.
Hazardous decomposition products	No hazardous decomposition products known.

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SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Range [%]	Substance
1 -<10	White mineraloil (petroleum), CAS: 8042-47-5
	LD50, dermal, Rabbit: > 2000 mg/kg.
	LD50, oral, Rat: > 5000 mg/kg.
1 -<5	Glycerol, CAS: 56-81-5
	LD50, oral, Rat: 12 600 mg/kg.
1 - <3	Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched /, CAS: 9043-30-5
	LD50, oral, Rat: 500-2000 mg/kg (OECD 423).
20 - <25	Hydrocarbons, C11- C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics, CAS: 64742-47-8
	LD50, dermal, Rat: >5000 mg/kg (OECD 402).
	LC50, inhalative, Rat: >5000 mg/m ³ /8h (OECD 403).
	LD50, oral, Rat: >5000 mg/kg (OECD 401).

Acute oral toxicity not determined

Acute dermal toxicity not determined

Acute inhalational toxicity not determined

Serious eye damage/irritation not determined

Skin corrosion/irritation not determined

Respiratory or skin sensitisation not determined

Specific target organ toxicity — single exposure not determined

Specific target organ toxicity — repeated exposure not determined

Mutagenicity not determined

Reproduction toxicity not determined

Carcinogenicity not determined

Experiences made in practice Frequent persistent contact with the skin can cause skin irritation.

General remarks Toxicological data of complete product are not available.

The product was classified on the basis of the calculation procedure of the preparation directive.

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SECTION 12: Ecological information

Toxicity

Range [%]	Substance
1 - <5	Glycerol, CAS: 56-81-5 LC50, (24h), fish: > 5000 mg/l.
1 - <3	Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched /, CAS: 9043-30-5 EC10, Bacteria: > 10000 mg/l/17h (DIN 38412 Part 8). LC50, (96h), Leuciscus idus: 1-10 mg/l. EC50, (48h), Daphnia magna: 1-10 mg/l. EC50, (72h), Algae: 1-10 mg/l.
20 - <25	Hydrocarbons, C11- C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics, CAS: 64742-47-8 ELO, (72h), Pseudokirchneriella subcapitata: 1000 mg/l. LL0, (96h), Oncorhynchus mykiss: 1000 mg/l. ELO, (48h), Daphnia magna: 1000 mg/l.

Fish toxicity	not determined
Daphnia toxicity	not determined
Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Bacteria toxicity	not determined
Biological degradability	not determined
COD	not determined
BOD 5	not determined
AOX-advice	not applicable
2006/11/EC:	yes
Other adverse effects	Ecological data of complete product are not available. Do not discharge product unmonitored into the environment. No classification on the basis of the calculation procedure of the preparation directive.

SECTION 13: Disposal considerations

Product	Dispose of as hazardous waste.
Contaminated packaging	Coordinate disposal with the authorities if necessary. Untampered packaging may be taken for recycling.
RCRA Hazard Class (40CFR 261)	Packaging that cannot be cleaned should be disposed of as for product. Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

SECTION 14: Transport information

Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (ADN)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"
DOT Road Shipment Information (49 CFR)	UN/NA NA1993 Combustible liquid, n.o.s. Footnote: This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land. Comb liq III

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SECTION 15: Regulatory information**US Regulations****National regulations**

29 CFR 1910.1200, ANSI Z400.1-2010, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA, TSCA, California - Prop. 65

- SARA, 302

This product is not classified as hazardous under SARA 302.

- SARA, 311

This product is classified as hazardous under SARA 311.

- SARA, 313

This product contain one ingredient regulated under this list(40 CFR part 372.65): Aluminum oxide (fume or dust) (CAS 1344-28-1).

This product contain one ingredient regulated under this list(40 CFR part 372.65): Cyclohexane (CAS 110-82-7)

- CA Proposition 65

All chemical substances in this material are not named in California-P65 list.

- TSCA

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.

- FDA

not determined

**American Conference of Governmental
 Industrial Hygienists - ACGIH**

Ingredients not listed as carcinogens.

**International Agency for Research on
 Cancer IARC**

Ingredients not listed as carcinogens.

National Toxicology Program - NTP

This product is not named NTP - National Toxicology Program.

Transport-regulations

DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2012).

EC Regulations

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach);
 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

Labelling

The product is classified and required to be labelled in accordance with EC-Directives

Hazard symbols

none

R-phrases

R 66: Repeated exposure may cause skin dryness or cracking.

S-phrases

S 37: Wear suitable gloves.

Special labelling**SECTION 16: Other informations****Observe employment restrictions for people**

not applicable

Customs Tariff

not determined

HMIS Ratings

HEALTH	1	1 - Slight Hazard
FLAMMABILITY	2	2 - Moderate Hazard