

**MATERIAL SAFETY DATA SHEET****POLARSHINE M10**

EEC Standard 91/155

Date of issue: 23.10.2003

Date printed:

**1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

Identification of the substance :

Common name: Polarshine M10  
Intended purpose: Polishing compound

Company identification:

KWH Mirka Ltd  
Pensalavägen 210  
66850 Jeppo  
FinlandPhone: +358 20 760 2111  
Fax: +358 20 760 2290**2 INFORMATION ON INGREDIENTS****Chemical identification / Hazardous ingredients:**

Ingredient name	CAS number	EINECS / ELINKS-number	Percentage	Symbol	Risk phrases
Naphtha	64742-48-9	265-150-3	5-25 %	X <sub>n</sub>	65,66
Alumina	1344-28-1	215-691-6	2-20 %		

Text of the Risk phrases: look at section 16

**3 HAZARDS IDENTIFICATION****Human hazards:**

No significant adverse health effects are to be expected from either single or repeated exposures, provided that dust and vapor inhalation is controlled and eye protection is guaranteed (see section 8).

**Environmental hazards:**

This product contains fluid hydrocarbons, which may cause environmental contamination if they reach open waters.

**4 FIRST AID MEASURES**

**Skin:** In case of sustained skin irritation obtain medical advice  
**Eyes:** Rinse with plenty of water for 10 minutes  
**Ingestion:** Wash out mouth thoroughly with water  
Do not cause vomiting without medical advice  
Obtain medical advice

**5 FIRE FIGHTING MEASURES****Extinguishing media:**

- vaporized water
- powder
- foam
- CO<sub>2</sub>

**Special fire fighting procedures:**

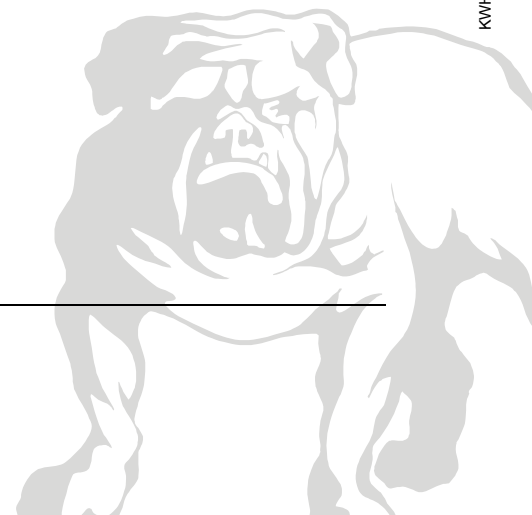
Not necessary



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**6 ACCIDENTAL RELEASE MEASURES**

**Methods for cleaning up:**

Shovel up immediately into labeled containers for disposal or recycling to prevent accidents caused by slippery surfaces.

**7 HANDLING AND STORAGE**

**Handling:**

Use suitable tools for handling and transport of heavy units

**Measures against fire and explosion:**

Do not store near open fire

**Storage:**

Do not store at temperatures > 30°C (86°F)

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**General:**

When handling all polishing materials, observe good standards of industrial hygiene

**Exposure limits:**

Alumina (1344-28-1): 6 mg/m<sup>3</sup> (MAK)  
 Hydrocarbon (64742-48-9): 1000 mg/m<sup>3</sup> (MAK, TRGS 900/901)

**Personal protection:**

**Respiratory protection:**

Control occupational exposure by local exhaust ventilation

**Hand protection:**

Wear appropriate gloves when handling this material. Nitrile rubber gloves are recommended

**Eye protection:**

Use goggles while working on polishing disks to avoid eye discomfort from physical effects

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance.....	viscous/creamy
Colour.....	white
Odour.....	specific
Melting point.....	n. a.
Boiling point.....	> 100°C
Flashpoint.....	> 65 °C
Relative density.....	~ 1 kg/l
Solubility.....	diluable in water
pH.....	7 - 9

**10 STABILITY AND REACTIVITY**

**Conditions to avoid:**

This product is stable. Under normal circumstances no hazardous reactions are anticipated

**Materials to avoid:**

**Hazardous decomposition products:**

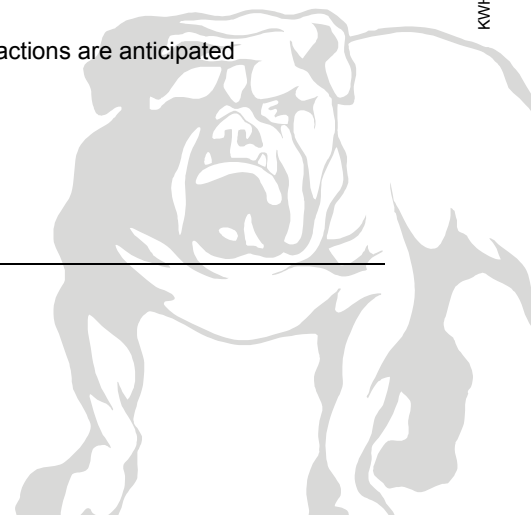
- None known
- Incomplete combustion will produce smoke and CO.



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## 11 TOXICOLOGICAL INFORMATION

### Routes of entry:

#### Ingestion:

Ingestion of small quantities will not lead to adverse health effects. Larger Quantities may cause sickness and diarrhea.

#### Inhalation:

Inhalation of decomposition products like vapor or smoke may cause adverse health effects.

#### Skin and Eyes:

This product is abrasive. Prolonged contact may cause temporary skin and eye irritation.

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## 12 ECOLOGICAL INFORMATION

This product contains fluid hydrocarbons, which may damage environment if disposed in the free nature. It contains no heavy metals nor halogens.

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## 13 DISPOSAL CONSIDERATIONS

For disposal of non-recoverable spillages or waste, local regulations should be consulted and waste should be disposed only through licensed waste material handling companies or incinerating plants.

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## 14 TRANSPORT INFORMATION

No restrictions, classified as non dangerous cargo. Keep away from foodstuffs

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## 15 REGULATORY INFORMATION

**Dangerous Substances Directive 67/548/EEC:** Not classified as dangerous

**Dangerous Preparations Directive 88/379/EEC:** Not classified as dangerous

**Labeling:** " Safety data sheet available for professional user on request"

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## 16 Other information

The purpose of this safety sheet is to describe the products in terms of health and safety and not as a product specification, guaranteeing their properties. The information on this Data Sheet is accurate to the best of our knowledge as to the proper use and handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with other products or any other process is the responsibility of the user. KWH Mirka Ltd. makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. R 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

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**Information provided in this Safety Data Sheet are based on the best of our knowledge. The references on the risks on using this product and its intrinsic characteristics, and to legislative norms and bibliographic sources, cannot be considered fully exhaustive. The user must evaluate every further risk that may derive from the manner and the usage conditions of the product.**



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