

MATERIAL SAFETY DATA SHEET**POLARSHINE M25**EEC Standard 91/155
Date of issue 11.01.2005

Date printed:

1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Identification of the substance : Common name: Polarshine M25
Intended purpose: Water-based polishing paste

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2 INFORMATION ON INGREDIENTS

2.1 Dangerous components of the preparation.

2.2 Classification of the substances

Ingredient name	Concentration	Symbol	Risk phrases	CAS number	CE number
Distillates (petroleum), hydro treated light	From 20% To 30%	Xn	65	064742-47-8	265-149-8

Distillates (Petroleum) light fraction of "hydro treating"

For the meaning of R phrases, please refer to paragraph 16 "Other information"

3 HAZARDS IDENTIFICATION

3.1 Classification of compound

This compound is classified: harmful, in cause of its dangerousness in case of inhalation

3.2 Physical-chemical danger

3.3 Adverse effects for human health

Some of the following symptoms or effects may occur after the ingestion of the product: abdominal pain, CNS depression, nausea, vomiting, systemic effects.

3.4 Adverse effects for environment

4 FIRST AID MEASURES**AFTER INHALATION**

Move the victim away from the polluted area and take him/her outdoors. Make sure that the victim is still breathing: recline his/her head backward and put your ear over his/her nose and mouth to check for breathing signs.

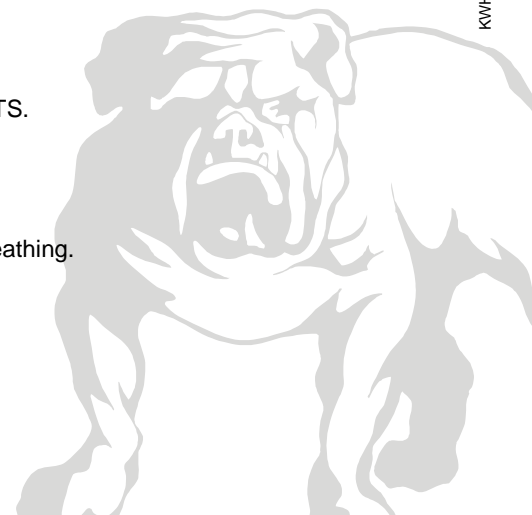
- First aid for a non-breathing patient:
 - START MOUTH-TO-MOUTH RESUSCITATION
 - USE CHEST COMPRESSION IN THE ABSENCE OF HEARTBEATS.
 - MEDICAL CARE SHOULD BE OBTAINED QUICKLY.
- First aid for a still breathing but unconscious patient:
The patient should be laid face downwards, with his/her head to the side.
Make sure that the patient's mouth is not blocked by an object that could stop breathing.
Take out the patient's tongue.
Remove any secretion in excess.



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Clear the patient's mouth of any vomit.

Remove dentures, if any.

Introduce the Guedel device to prevent the tongue from obstructing the air flow; leave the Guedel device in place until the patient regains consciousness.

Administer oxygen.

Keep the patient warm.

NO ORAL ADMINISTRATION OF ANY KIND WHILE THE PATIENT IS UNCONSCIOUS

DO NOT ADMINISTER ALCOHOL, MORPHINE OR ANY OTHER STIMULANT

- First aid for a still breathing and conscious patient:
Even though the patient is conscious, he/she may have trouble breathing.
Place the patient in the so-called "seating upright" position and keep him/her warm.
Administer oxygen.
If none of the above procedures improves breathing, it implies that asphyxia or pulmonary edema may have occurred. **SEEK MEDICAL HELP WITHOUT DELAY.**

AFTER SKIN OR EYES CONTACTS

AFTER SWALLOWING

Do not induce vomiting!

- First aid for an unconscious patient:
The patient should be laid face downwards, with his/her head to the side.
Check for signs of spontaneous respiration.
Start mouth-to-mouth resuscitation if the patient no longer breaths.
NO ORAL ADMINISTRATION OF ANY KIND WHILE THE PATIENT IS UNCONSCIOUS
DO NOT ADMINISTER ALCOHOL, MORPHINE OR ANY OTHER STIMULANT
MEDICAL CARE SHOULD BE OBTAINED QUICKLY.
- First aid for a conscious patient:
Administer two bags (10 g) of active carbon dissolved in 500 ml of water, followed by three doses of 1 bag (5 g) dissolved in 100 ml of water every 20 minutes.
Keep the patient warm in every circumstance until he/she recovers. **IMMEDIATE EMERGENCY CARE SHOULD BE SOUGHT** in case of acute pain and vomiting.
- Be aware that the vomit can be inhaled and cause breathing distress; in this case, start the inhalation procedure.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

- Use personal protective equipment (PPE) to avoid skin and eye contact, as well as product inhalation.
- Anyone who is not directly involved in rescue operations should be kept away from the scene.
- Suppress or exclude every source of ignition that could possibly start a fire.

- Stop the release of the product, provided the operation does not jeopardize the operators' safety.
- Neither touch nor trample a product that has leaked onto the ground.

6.2 Environmental precautions

Take all the necessary steps to avoid air propagation and water table, waterways and soil contamination, by means of appropriate mediums or retaining materials:

- liquids shall be absorbed with earth, dry sand, vermiculites or any other non-flammable absorbing material;
- solids shall be removed by mechanical means; also, arrange for roofing or retainer walls to prevent dusting;
- vapors shall be suppressed with nebulized water, provided no soil or water pollution hazards exist.

6.3 Methods for cleaning

Remove with mechanical means; alternatively, cover or absorb with earth, dry sand, infusorial earth or any other non-flammable compound, before transferring the product into an appropriate container for further disposal.

7 HANDLING AND STORAGE

7.1 Handling

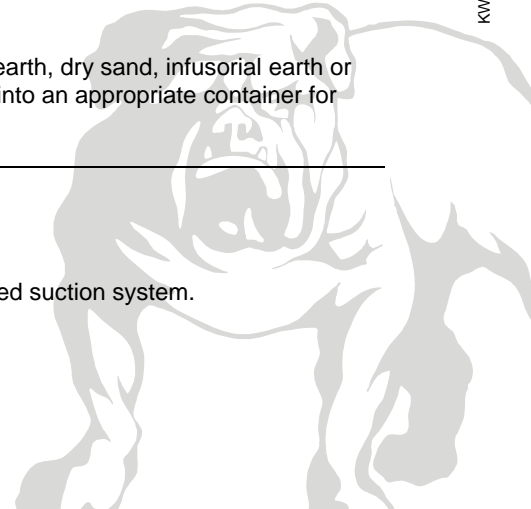
Use only in facilities that are well-ventilated or provided with a localized suction system.



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7.2 Storage

Both containers and associated materials used for product packaging shall comply, wherever applicable, comply with the standards governing road haulage of hazardous materials.

7.3 Specific use(s)

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limit values

8.2.1 Respiratory protection

If an individual breathing apparatus is required, use full face masks (UNI EN 136), provided with organic substances filters (Type: A; typical color: brown).
Generally speaking, breathing protection shall be enforced by means of technical provisions designed to prevent the operator from coming in contact with the substance. Products are best handled in a closed system; if this procedure can not be implemented, arrange for a localized (stationary or mobile) suction system which returns drawn particles to an appropriate filter element or suppression system.

8.2.2 Hand protection

Selecting appropriate hand PPE depends on its ability to withstand chemical agents corrosion, taking into account test results as set forth in EN 374 standard.
Wear cyan carbon gloves.

8.2.3 Eye protection

Use protection goggles or a face shield made up of acetate.

8.2.4 Skin protection

You must use: apron, boots or complete protective clothes for the protection of skin.

8.2.5 Environmental exposure controls

9 PHYSICAL AND CHEMICAL PROPERTIES

appearance:.....paste
 odor:typical
 Ph:n.a.
 boiling point/boiling range:.....>a 200°C
 melting point/melting range:n.a.
 flash point:
 flammability (solid, gas):101 °C
 auto-ignition temperature:200 °C
 explosive properties:n.a.
 oxidizing properties:n.a.
 vapor pressure:n.a.
 relative density kg/l:.....1,3
 water solubility:.....not soluble
 fat solubility (solvent-oil to be specified):.....n.a.
 partition coefficient n-octanol/water:.....n.a.
 viscosity:n.a.
 vapor density:.....>1
 evaporation rate:n.a.
 Other information:.....n.a.

10 STABILITY AND REACTIVITY

10.1 Conditions to avoid

10.2 Materials to avoid

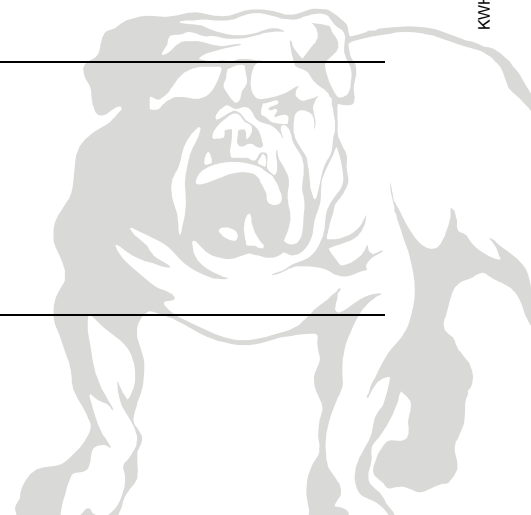
10.3 Hazardous decomposition products



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11 TOXICOLOGICAL INFORMATION

11.1 Exposure for inhalation

11.2 Exposure for swallowing

As to low viscosity petroleum products, a very specific risk arises out of either the liquid or its fumes being inhaled into the lungs, as a result of ingestion or vomiting. Consequently, the following disorders may develop: bronchitis, pulmonary emphysema, pulmonary edema, chemical pneumonia.

11.3 Exposure for skin and eyes contact

12 ECOLOGICAL INFORMATION

12.1 General environmental information

Use the product according to good working practices and avoid release in the atmosphere.

The following environmental assessments have been made for kerosene:

- soil: shows poor underground mobility;
- water: some components show a significant bio-concentration in aqueous organisms.

12.2 Ecotoxicity

12.3 Mobility

12.4 Persistence and degradability

12.5 Bioaccumulative potential

12.6 Other adverse effects

13 DISPOSAL CONSIDERATIONS

Before being dumped or destroyed and subject to decontamination, product containers shall be entrusted to plants specialized in recycling, or disposing of, toxic-noxious waste.

Product residuals shall be dismantled in compliance with regional and national applicable standards.

14 TRANSPORT INFORMATION

14.1 Particular precautions

During transportation, the following provisions shall be observed:

- the heaviest packages shall be arranged underneath and light or fragile packages secured to the top;
- hazardous products shall be kept apart;
- hazardous products in liquid form shall be secured under non-hazardous products;
- flammable or combustible products shall be kept away from oxidizing or corrosive products.

14.2 Transport classification according to ADR/RID, IMDG/IMO, ICAO/IATA

regulation ADR/RID

NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

UN number:

hazard class:

proper shipping name:

packing group:

labels required:

other applicable information:

regulation IMDG/IMO

UN number:

hazard class:

proper shipping name:

packing group:

labels required:

other applicable information:



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regulation ICAO/IATA
UN number:
hazard class:
proper shipping name:
packing group:
labels required:
other applicable information:

15 REGULATORY INFORMATION

Additional domestic or Community provisions governing the use of the product are listed below:

- D.P.R. 303/56 "General procedure for occupational health and industrial hygiene."
- D.P.R. 547/55 "Procedures for the prevention of industrial injuries on the workplace."
- Lab. D. 626/94 "Implementation of Community directives with regard to the improvement of occupational health and safety conditions on the workplace."
- Lab. D. 334/99 "Monitoring significant accident hazards in connection with specific hazardous substances."
- Lab. D. 152/99 "Provisions regarding water protection from pollution."
- Lab. D. 22/97 "Implementation of the directives dealing with waste disposal."
- D.P.R. 203/88 "Implementation of the directives governing air quality standards."
- M.D. 12.08.1998 "Restrictions concerning the release and the use of some hazardous substances and compounds."

Information that appear on the label

harmful



Contains:

- Distillates (Petroleum) light fraction of "hydrotreating"
- Harmful: may cause lung damage if swallowed. (R 65)
 - Keep out of the reach of children. (S 2)
 - If swallowed, seek medical advice immediately and show this container or label. (S 46)
 - Wear suitable protective clothing. (S 36)

16 Other information

16.1 Other relevant information

List of R phrases:

R 65 = Harmful: may cause lung damage if swallowed.

The data reported in this safety data sheet have been gathered mostly from the following sources:

- National Toxicology Program (NTP) - U.S. Department of Health and Human Services
- NIOSH - Registry of Toxic Effects of Chemical Substances
- SAX - Dangerous Properties of Industrial Materials (7° ed.)

16.2 information added, erased or modified after revision of the safety data sheet

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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