

Mirka Ltd  
66850 Jeppo

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

### 1.1 Product identifier

#### Polarshine 8 Polishing Compound

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1 Relevant uses

Polishing agent

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

#### Company

Mirka Ltd  
Pensalavägen 210  
66850 Jeppo / FINLAND  
Phone +358 20 760 2111  
Homepage [www.mirka.com](http://www.mirka.com)  
E-mail [sales@mirka.com](mailto:sales@mirka.com)

#### Address enquiries to

#### Technical information

[sales@mirka.com](mailto:sales@mirka.com)

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de) (No dispatch of safety data sheets)  
Safety data sheets are available from the supplier.

### 1.4 Emergency telephone number

#### Advisory body

For Chemical Emergency: spill, leak, fire, exposure or accident call CHEMTREC day or night:  
Within USA and Canada: +1 800 424 9300  
Outside USA and Canada: +1 703 527 3887 (collect calls accepted)  
Multilingual response for emergency calls only. Non-emergency calls cannot be serviced at these numbers.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Flam. Liq. 4: H227 Combustible Liquid.  
Eye Irrit. 2: H319 Causes serious eye irritation.

### 2.2 Label elements

The product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200 (HCS 2012)

#### Hazard pictograms



#### Signal word

WARNING

#### Hazard statements

H227 Combustible Liquid.  
H319 Causes serious eye irritation.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P210 Keep away from flames and hot surfaces. No smoking.  
P280 Wear protective gloves/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P370+P378 In case of fire: Use Water spray, Carbon dioxide, Foam, Dry chemical to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

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### 2.3 Other hazards

<b>Human health dangers</b>	Contains no ingredients with endocrine-disrupting properties ( $\geq 0,1\%$ ).
<b>Environmental hazards</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Contains no ingredients with endocrine-disrupting properties ( $\geq 0,1\%$ ).
<b>Other hazards</b>	Further hazards were not determined with the current level of knowledge. Repeated exposure may cause skin dryness or cracking.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
20 - < 25	Distillates (petroleum), hydrotreated light CAS: 64742-47-8
10 - < 20	Aluminium oxide CAS: 1344-28-1
5- < 10	White mineral oil (petroleum) CAS: 8042-47-5
1 - < 5	Glycerol CAS: 56-81-5
1 - < 3	Alcohols, C13 (branched), ethoxylated CAS: 69011-36-5
0.1 - < 0.5	Potassium hydroxide CAS: 1310-58-3

**Comment on component parts** Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General information</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Ensure supply of fresh air.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Get medical advice. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

### 4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.  
 Forward this sheet to the doctor.

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## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Foam, dry powder, water spray jet, carbon dioxide  
**Extinguishing media that must not be used** Full water jet.

### 5.2 Special hazards arising from the substance or mixture

Not combusted hydrocarbons.  
Risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.

Collect contaminated firefighting water separately, must not be discharged into the drains.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.  
High risk of slipping due to leakage/spillage of product.  
Wear suitable protective equipment. For personal protection see SECTION 8.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 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.  
Avoid contact with eyes and skin. Use personal protective equipment.  
Keep away from all sources of ignition - Refrain from smoking.  
Do not eat, drink or smoke when using this product.  
Wash hands before breaks and after work.  
Use barrier skin cream.  
Contaminated work clothing should not be allowed out of the workplace.  
Take off contaminated clothing and wash before reuse.

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### 7.2 Conditions for safe storage, including any incompatibilities

- Provide solvent-resistant and impermeable floor.
- Prevent penetration into the ground.
- Keep only in original container.
- Do not store together with oxidizing agents.
- Protect from heat/overheating.
- Keep container in a well-ventilated place.
- Keep container tightly closed.
- Keep away from frost.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (US)

Substance
Distillates (petroleum), hydrotreated light
CAS: 64742-47-8
Long-term exposure: 165 ppm, 1200 mg/m <sup>3</sup> , Vapor, Total Hydrocarbons, RCP-TWA (manufacturer)
Aluminium oxide
CAS: 1344-28-1
Long-term exposure: 15 mg/m <sup>3</sup> , Total dust
White mineral oil (petroleum)
CAS: 8042-47-5
Long-term exposure: 5 mg/m <sup>3</sup> , TWA (as mist)
Glycerol
CAS: 56-81-5
Long-term exposure: 15 mg/m <sup>3</sup> , (mist) total dust
Potassium hydroxide
CAS: 1310-58-3
Long-term exposure: 2 mg/m <sup>3</sup> , e, NIOSH

### DNEL

Substance
White mineral oil (petroleum), CAS: 8042-47-5
Industrial, inhalative, Long-term - systemic effects, 164.56 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 217.05 mg/kg bw/day
general population, oral, Long-term - systemic effects, 25 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 93.02 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 34.78 mg/m <sup>3</sup>

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## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: > 0.4 mm: Butyl rubber, >480 min (EN 374-1/-2/-3). In splash contact: > 0.4 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Protective clothing (EN 340)  Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Do not inhale gases/vapors/aerosols. Avoid contact with eyes and skin.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P1. (DIN EN 14387)
<b>Thermal hazards</b>	No information available.
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Form</b>	pasty
<b>Color</b>	white
<b>Odor</b>	mild
<b>Odor threshold</b>	No information available.
<b>pH-value</b>	7-8
<b>pH-value [1%]</b>	No information available.
<b>Boiling point [°C]</b>	No information available.
<b>Flash point [°C]</b>	> 65 °C / >149 °F
<b>Flammability [°C]</b>	Not applicable
<b>Lower explosion limit</b>	No information available.
<b>Upper explosion limit</b>	No information available.
<b>Oxidizing properties</b>	No
<b>Vapor pressure/gas pressure [kPa]</b>	No information available.
<b>Density [g/cm³]</b>	ca. 1.05
<b>Relative density</b>	No information available.
<b>Bulk density [kg/m³]</b>	Not applicable
<b>Solubility in water</b>	Miscible
<b>Solubility other solvents</b>	No information available.
<b>Partition coefficient [n-octanol/water]</b>	Not applicable
<b>Kinematic viscosity</b>	> 20.5 mm²/s (40°C/ 104°F)
<b>Relative vapour density</b>	No information available.
<b>Evaporation speed</b>	No information available.
<b>Melting point [°C]</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition temperature [°C]</b>	No information available.
<b>Particle characteristics</b>	No information available.

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## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

### 10.4 Conditions to avoid

Strong heating.

### 10.5 Incompatible materials

See SECTION 10.3.

### 10.6 Hazardous decomposition products

No decomposition if used and stored according to specifications.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity

Product
ATE-mix, oral, > 5000 mg/kg
Substance
Aluminium oxide, CAS: 1344-28-1
LD50, oral, Rat, >5000 mg/kg bw (IUCLID)
White mineral oil (petroleum), CAS: 8042-47-5
LD50, oral, Rat, > 5000 mg/kg
Glycerol, CAS: 56-81-5
LD50, oral, Rat, 12600 mg/kg (IUCLID)
Distillates (petroleum), hydrotreated light, CAS: 64742-47-8
LD50, oral, Rat, > 5000 mg/kg bw
Potassium hydroxide, CAS: 1310-58-3
LD50, oral, Rat, > 214 -< 333 mg/kg
Alcohols, C13 (branched), ethoxylated, CAS: 69011-36-5
LD50, oral, Rat, 500 - 2000 kg/kg bw

#### Acute dermal toxicity

Product
ATE-mix, dermal, > 5000 mg/kg
Substance
White mineral oil (petroleum), CAS: 8042-47-5
LD50, dermal, Rabbit, > 2000 mg/kg
Glycerol, CAS: 56-81-5
LD50, dermal, Rabbit, > 18700 mg/kg (IUCLID)
Distillates (petroleum), hydrotreated light, CAS: 64742-47-8
LD50, dermal, Rabbit, > 5000 mg/kg bw
Alcohols, C13 (branched), ethoxylated, CAS: 69011-36-5
LD50, dermal, > 2000 mg/kg

#### Acute inhalational toxicity

Product
Based on the information available, the classification criteria have not been fulfilled.
Substance
Aluminium oxide, CAS: 1344-28-1
LC100, inhalative, Rat, 888 mg/m <sup>3</sup> /4h
White mineral oil (petroleum), CAS: 8042-47-5
LC50, inhalative, Rat, 5 mg/L/4h
Distillates (petroleum), hydrotreated light, CAS: 64742-47-8
LC50, inhalativ (vapor ), Rat, > 5000 mg/m <sup>3</sup>

Serious eye damage/irritation

Irritant  
 Calculation method

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Substance
Aluminium oxide, CAS: 1344-28-1
no adverse effect observed
White mineral oil (petroleum), CAS: 8042-47-5
no adverse effect observed
Potassium hydroxide, CAS: 1310-58-3
corrosive

**Skin corrosion/irritation** Based on the information available, the classification criteria have not been fulfilled.

Substance
Aluminium oxide, CAS: 1344-28-1
no adverse effect observed
White mineral oil (petroleum), CAS: 8042-47-5
no adverse effect observed
Potassium hydroxide, CAS: 1310-58-3
corrosive

**Respiratory or skin sensitisation** Based on the information available, the classification criteria have not been fulfilled.

Substance
Aluminium oxide, CAS: 1344-28-1
dermal, non-sensitizing
inhalative, non-sensitizing
White mineral oil (petroleum), CAS: 8042-47-5
no adverse effect observed
Potassium hydroxide, CAS: 1310-58-3
non-sensitizing

**Specific target organ toxicity — single exposure** Based on the information available, the classification criteria have not been fulfilled.

Substance
Aluminium oxide, CAS: 1344-28-1
inhalative, no adverse effect observed

**Specific target organ toxicity — repeated exposure** Based on the information available, the classification criteria have not been fulfilled.

**Mutagenicity** Based on the information available, the classification criteria have not been fulfilled.

Substance
Aluminium oxide, CAS: 1344-28-1
in vivo, negativ
in vitro, negativ

**Reproduction toxicity** Based on the information available, the classification criteria have not been fulfilled.

Substance
Aluminium oxide, CAS: 1344-28-1
NOAEL, oral, Rat, 1004 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
NOAEL, oral, Rat, 567 mg/kg bw/d (Effect on fertility), no adverse effect observed
White mineral oil (petroleum), CAS: 8042-47-5
NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed

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**Carcinogenicity** Based on the information available, the classification criteria have not been fulfilled.

Substance
Aluminium oxide, CAS: 1344-28-1
NOAEC, inhalative, Rat, 75 mg/m <sup>3</sup> , no adverse effect observed
White mineral oil (petroleum), CAS: 8042-47-5
NOAEL, oral, Rat, 1200 mg/kg bw/day, no adverse effect observed

**Aspiration hazard** Based on the information available, the classification criteria have not been fulfilled.

**General remarks**

Frequent persistent contact with the skin can cause skin irritation.  
 Has a degreasing effect on the skin.  
 Toxicological data of complete product are not available.  
 The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Substance
Aluminium oxide, CAS: 1344-28-1
NOEC, (48h), Daphnia magna, >100 mg/L (IUCLID)
NOEC, (72h), Selenastrum capricornutum, >100 mg/L (IUCLID)
White mineral oil (petroleum), CAS: 8042-47-5
LL50, (48h), Daphnia magna, 100 mg/L
LL50, (96h), fish, 100 - 10000 mg/L
Glycerol, CAS: 56-81-5
LC50, (24h), Carassius auratus, > 5000 mg/l
EC50, (72h), Bacteria, > 10000 mg/l
EC50, (48h), Algae, > 2900 mg/l
EC50, (24h), Daphnia magna, > 10000 mg/l
Distillates (petroleum), hydrotreated light, CAS: 64742-47-8
EL0, (48h), Daphnia magna, 1000 mg/l
EL0, (72h), Pseudokirchneriella subcapitata, 1000 mg/l
LL0, (96h), Oncorhynchus mykiss, 1000 mg/l
Potassium hydroxide, CAS: 1310-58-3
LC50, (24h), Poecilia reticulata, 165 mg/l
LC50, (24h), Gambusia affinis, 80 mg/l
EC50, (48h), Ceriodaphnia spec., 40.4 mg/l

**12.2 Persistence and degradability**

**Behaviour in environment compartments** No information available.  
**Behaviour in sewage plant** No information available.  
**Biological degradability** CAS 64742-47-8: >= 60%. 28d  
 CAS 8042-47-5: The product is not readily biodegradable.

**12.3 Bioaccumulative potential**

No information available.

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#### 12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

#### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

#### 12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

#### 12.7 Other adverse effects

Ecological data of complete product are not available.  
Do not discharge product unmonitored into the environment.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Dispose of as hazardous waste.  
Coordinate disposal with the authorities if necessary.

##### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

##### RCRA Hazard Class (40CFR 261)

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

### SECTION 14: Transport

#### 14.1 UN number

Transport by land according to ADR/RID Not applicable

Inland navigation (ADN) Not applicable

Marine transport in accordance with IMDG Not applicable

Air transport in accordance with IATA Not applicable

DOT Road Shipment Information (49 CFR) NA1993

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#### 14.2 UN proper shipping name

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

#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID Not applicable

Inland navigation (ADN) Not applicable

Marine transport in accordance with IMDG Not applicable

Air transport in accordance with IATA Not applicable

DOT Road Shipment Information (49 CFR) Comb liq

#### 14.4 Packing group

Transport by land according to ADR/RID Not applicable

Inland navigation (ADN) Not applicable

Marine transport in accordance with IMDG Not applicable

Air transport in accordance with IATA Not applicable

DOT Road Shipment Information (49 CFR) III

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#### 14.5 Environmental hazards

Transport by land according to ADR/RID No

Inland navigation (ADN) No

Marine transport in accordance with IMDG No

Air transport in accordance with IATA No

DOT Road Shipment Information (49 CFR) No

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### US Regulations

##### National regulations

29 CFR 1910.1200-HCS 2012, 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

Flammable (liquid)  
Serious eye irritation

##### - SARA, 313

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

##### - CA Proposition 65

No chemical substances in this material are named on the California P65 list.

##### - TSCA

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

##### - FDA

No information available.

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

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

##### International Agency for Research on Cancer IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### National Toxicology Program - NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

##### HAP-VOC

VOC-content: 22.5%

##### Transport-regulations

DOT-Classification, ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2022)

#### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

### 16.1 Abbreviations and acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists;  
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route;  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses;  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure;  
CAS = Chemical Abstracts Service;  
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act;  
CFR = Code of Federal Regulations;  
CPR = Controlled Products Regulations;  
DMEL = Derived Minimum Effect Level;  
DNEL = Derived No Effect Level;  
DOT = Department of Transportation;  
EC50 = Median effective concentration;  
EPA = Environmental Protection Agency;  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals;  
IATA = International Air Transport Association;  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;  
IC50 = Inhibition concentration, 50%;  
IMDG = International Maritime Code for Dangerous Goods;  
IARC = International Agency of Research on Cancer;  
IATA = International Air Transport Association;  
TSCA = Toxic Substance Control Act;  
HMIS = Hazardous Materials Identification System;  
NFPA = National Fire Protection Association;  
NIOSH = National Institute for Occupational Safety and Health;  
OSHA = Occupational Safety and Health Administration;  
LC50 = Lethal concentration, 50%;  
LD50 = Median lethal dose, 50%;  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships;  
PBT = Persistent, Bioaccumulative and Toxic substance;  
PNEC = Predicted No-Effect Concentration;  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals;  
SARA = Superfund Amendments and Reauthorization Act;  
TLV@TWA = Threshold limit value – time-weighted average;  
TLV@STEL = Threshold limit value – short-time exposure limit;  
VOC = Volatile Organic Compounds;  
vPvB = very Persistent and very Bioaccumulative;

### 16.2 Ratings

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#### NFPA Ratings



TOP, FLAMMABILITY: 2 - Moderate Hazard  
LEFT, HEALTH: 2 - Moderate Hazard  
RIGHT, REACTIVITY: 0 - Minimal Hazard  
BOTTOM, SPECIAL NOTICE: -

#### HMIS Ratings

HEALTH	2	2 - Moderate Hazard
FLAMMABILITY	2	2 - Moderate Hazard
PHYSICAL HAZARD	0	0 - Minimal Hazard
PERSONAL PROTECTION	X	X - Personal protection rating to be supplied by user depending on use conditions

#### PERSONAL PROTECTION:

- A - Safety Glasses
- B - Safety Glasses and Gloves
- C - Safety Glasses, Gloves and Protection Apron
- D - Face Shield, Gloves and Protection Apron
- E - Safety Glasses, Gloves and Dust Respirator
- F - Safety Glasses, Gloves, Protection Apron and Dust Respirator
- G - Safety Glasses, Gloves and Vapor Respirator.
- H - Splash Goggles, Gloves, Protection Apron and Vapor Respirator.
- I - Safety Glasses, Gloves, Dust Respirator and Vapor Respirator.
- J - Splash Goggles, Gloves, Protection Apron, Dust Respirator and Vapor Respirator.
- K - Airline Mask or Hood, Gloves, Full Suit and Boots.
- X - Personal protection rating to be supplied by user depending on use conditions

#### Modified position

SECTION 2 been added: P102 Keep out of reach of children.

SECTION 2 been added: P101 If medical advice is needed, have product container or label at hand.

SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties ( $\geq 0,1\%$ ).

SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties ( $\geq 0,1\%$ ).

SECTION 2 been added: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3 deleted: All chemical substances in this material are included on or exempted from listing on the IECSC Inventory.

SECTION 12 been added: Based on all available information not to be classified as PBT or vPvB respectively.

SECTION 12 been added: Spillages may penetrate the soil causing ground water contamination.



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