

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Product name : Polarshine 12 Black

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Use of the substance/mixture : Polishing agent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Mirka Ltd
Pensalavägen 210, 66850 Jeppo, Finland
Telephone: +358 20 760 2111
E-mail: sales@mirka.com

1.4. Emergency telephone number

Emergency number : 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)

CHEMTREC UK: +(44)-870-8200418 (English)

CHEMTREC Ireland (Dublin): +(353)-19014670 (English, Irish Gaelic)

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****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Signal word (CLP) : -
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P273 - Avoid release to the environment.
P501 - Dispose of contents and container to an authorised waste collection point.
EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Other hazards not contributing to the classification : May decrease the skin. Dried out product can release dust. High concentrations of dust may cause respiratory irritation.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Aluminium oxide	(CAS-No.) 1344-28-1 (EC No.) 215-691-6 (REACH-no) 01-2119529248-35-XXXX	10 – 20	Not classified
White mineral oil (petroleum)	(CAS-No.) 8042-47-5 (EC No.) 232-455-8 (REACH-no) 01-2119487078-27-XXXX	10 - 20	Asp. Tox. 1, H304
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	(CAS-No.) 90622-58-5 (EC No.) 920-901-0 (REACH-no) 01-2119456810-40-XXXX	5 - 10	Asp. Tox. 1, H304
(Z)-Octadec-9-enylamine, ethoxylated	(CAS-No.) 26635-93-8 (EC No.) 500-048-7	0.1 – < 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
Carbon black	(CAS-No.) 1333-86-4 (EC No.) 215-609-9	0.1 – < 1	Not classified
Magnesium oxide	(CAS-No.) 1309-48-4 (EC No.) 215-171-9	0.1 – < 1	Not classified
Potassium hydroxide	(CAS-No.) 1310-58-3 (EC No.) 215-181-3 (EC index No.) 019-002-00-8	< 0.1	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318
Residual monomer		< 0.01	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms develop, obtain medical attention.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Do not give an unconscious person anything to drink. If symptoms develop, obtain medical attention.

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

Symptoms/effects after inhalation	: Dried out product can release dust. High concentrations of dust may cause respiratory irritation.
Symptoms/effects after skin contact	: May degrease the skin. Repeated exposure may cause skin dryness or cracking.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Water spray. Carbon dioxide.
Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
Explosion hazard : On heating : May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire : Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Precautionary measures fire : Keep upwind. Do not breathe fumes from fires or vapours from decomposition. Exercise caution when fighting any chemical fire.
Firefighting instructions : Move containers from fire area if you can do it without risk. Use water spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting : As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid inhalation of dust from dried product.

6.1.1. For non-emergency personnel

Emergency procedures : Remove all sources of ignition. Ventilate area. Avoid inhalation of vapours. Avoid contact with skin and eyes. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required. See Section 8.
Emergency procedures : Remove all sources of ignition. Ventilate area. Avoid inhalation of vapours. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk. Dam up the liquid spill.
Methods for cleaning up : Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dispose in a safe manner in accordance with local/national regulations. Wash spill area with soapy water.
Other information : Caution : this product can cause the floor to be slippery.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Provide good ventilation in process area to prevent formation of vapour. Use solvent resistant equipment. Avoid contact with skin and eyes. Avoid inhalation of vapours. Avoid inhalation of dust from dried product.
- Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Floors should be impervious, resistant to liquids and easy to clean. Do not allow material to contaminate ground water system. Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container tightly closed. Protect against frost. Do not allow product to dry out.
- Incompatible materials : Oxidising agents.

7.3. Specific end use(s)

Polishing agent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Potassium hydroxide (1310-58-3)	
Ireland - Occupational Exposure Limits	
Local name	Potassium hydroxide
OEL (15 min ref) (mg/m ³)	2 mg/m ³
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Potassium hydroxide
WEL STEL (mg/m ³)	2 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

White mineral oil (petroleum) (8042-47-5)	
EU - Occupational Exposure Limits	
Local name	Mineral oils (AHRMO)
IOELV TWA (mg/m ³)	5 mg/m ³ (inhalable fraction)
Notes	(Year of adoption 2010)
Regulatory reference	SCOEL Recommendations
Ireland - Occupational Exposure Limits	
Local name	Mineral oil
OEL (8 hours ref) (ppm)	5 ppm Pure, Highly & Severely Refined (Inhalable)
Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018

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Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (90622-58-5)	
Manufacturer assigned exposure limit(s)	TWA: 1200 mg/m ³

Residual monomer	
Manufacturer assigned exposure limit(s)	TWA: 4 ppm, STEL: 10 ppm

Carbon black (1333-86-4)	
Ireland - Occupational Exposure Limits	
Local name	Carbon black
OEL (8 hours ref) (mg/m ³)	3 mg/m ³ I (Inhalable Fraction)
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Carbon black
WEL TWA (mg/m ³)	3.5 mg/m ³
WEL STEL (mg/m ³)	7 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Magnesium oxide (1309-48-4)	
Ireland - Occupational Exposure Limits	
Local name	Magnesium oxide
OEL (8 hours ref) (mg/m ³)	4 mg/m ³ respirable dust 5 mg/m ³ fume 10 mg/m ³ total inhalable dust
OEL (15 min ref) (mg/m ³)	10 mg/m ³ fume
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Magnesium oxide
WEL TWA (mg/m ³)	4 mg/m ³ (as Mg) fume and respirable dust 10 mg/m ³ (as Mg) inhalable dust fume
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Aluminium oxide (1344-28-1)	
Ireland - Occupational Exposure Limits	
Local name	Aluminium oxides
OEL (8 hours ref) (mg/m ³)	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Aluminium oxides
WEL TWA (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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White mineral oil (petroleum) (8042-47-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	220 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	160 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	40 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	35 mg/m ³
Long-term - systemic effects, dermal	92 mg/kg bodyweight/day

Aluminium oxide (1344-28-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	15.63 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	3.29 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	0.0749 mg/l
PNEC (STP)	
PNEC sewage treatment plant	20 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation to minimise dust and/or vapour concentrations. Ensure exposure is below occupational exposure limits (where available). Local exhaust ventilation (LEV) may be required to control inhalation exposure. EN 482: Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:
In case of repeated or prolonged contact wear gloves. Standard EN 374 - Protective gloves against chemicals. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

Eye protection:
If there is a risk of liquid being splashed : Safety glasses. Standard EN 166 - Personal eye-protection.

Skin and body protection:
Long-sleeved protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Short term exposure: Combined gas/dust mask with filter type A/P1. Standard EN 14387 - Gas filter(s), combined filter(s). Long term exposure: Wear a self contained breathing apparatus

Thermal hazard protection:

Not required for normal conditions of use.

Environmental exposure controls:

Avoid release to the environment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Ensure that the emission levels from local regulations or operating permits are not exceeded.

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Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Colour	: Dark Grey to Black.
Odour	: Mild.
Odour threshold	: No data available
pH	: 7 – 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 68 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.04 (Water = 1)
Density	: ≈ 1.04 g/ml
Solubility	: Water: Dispersible
Log Pow	: No data available
Viscosity, kinematic	: > 20.5 mm ² /s (40 °C)
Viscosity, dynamic	: No data available
Explosive properties	: On heating : May form flammable/explosive vapour-air mixture.
Oxidising properties	: Not oxidising.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7). Combustible liquid.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

On heating : May form flammable/explosive vapour-air mixture. May react violently with oxidants.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not allow product to dry out.

10.5. Incompatible materials

Oxidising agents.

10.6. Hazardous decomposition products

Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Potassium hydroxide (1310-58-3)

LD50 oral, rat	333 mg/kg (OECD 425 method)
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White mineral oil (petroleum) (8042-47-5)

LD50 oral, rat	> 5000 mg/kg
LD50 dermal, rabbit	> 2000 mg/kg
LC50 inhalation, rat (mg/l)	> 5 mg/l 4 Hours

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (90622-58-5)

LD50 oral, rat	> 5000 mg/kg (OECD 401 method), (Read-across)
LD50 dermal, rabbit	> 5000 mg/kg (OECD 403 method), (Read-across)
LC50 inhalation, rat (mg/l)	> 5000 mg/m ³ - 4 Hours, vapours (OECD 403 method), (Read-across)

Carbon black (1333-86-4)

LD50 oral, rat	> 10000 mg/kg bodyweight (OECD 401 method)
LC0, rat, Inhalation	≥ 4.6 mg/m ³ (4 Hours, OECD 403 method)

Aluminium oxide (1344-28-1)

LD50 oral, rat	> 5000 mg/kg bodyweight
LC50 inhalation, rat (Dust/Mist - mg/l/4h)	> 2.3 mg/l - 4 Hours (OECD 403 method)

Skin corrosion/irritation	: Not classified pH: 7 – 9
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified pH: 7 – 9
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Carbon black (1333-86-4)

IARC group	2B - Possibly carcinogenic to humans
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Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

STOT-repeated exposure	: Not classified
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Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

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Viscosity, kinematic	> 20.5 mm ² /s (40 °C)
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Potential adverse human health effects and symptoms : Repeated exposure may cause skin dryness or cracking. May degrease the skin. Dried out product can release dust. High concentrations of dust may cause respiratory irritation.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Potassium hydroxide (1310-58-3)

LC50 fish	56 mg/l - 24 Hours (Gambusia affinis)
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White mineral oil (petroleum) (8042-47-5)

LL50, fish, acute	> 10000 mg/l (96 Hours, Leuciscus idus melanotus, WAF (Water Accommodated Fraction) (OECD 203 method))
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LL50, aquatic invertebrates, acute	> 100 mg/l (48 Hours, Daphnia magna, Mobility, WAF (Water Accommodated Fraction) (OECD 202 method))
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Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (90622-58-5)

LL50, fish, acute	> 1000 mg/l (96 Hours, Oncorhynchus mykiss, WAF (Water Accommodated Fraction) (OECD 203 method), (Read-across))
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NOELr, fish, Chronic	0.217 mg/l (28 days, Oncorhynchus mykiss, Growth rate (QSAR))
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LL50, aquatic invertebrates, acute	> 1000 mg/l (48 Hours, Daphnia magna, Mobility, WAF (Water Accommodated Fraction) (OECD 202 method), (Read-across))
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NOELr, aquatic invertebrates, Chronic	1 mg/l (21 days, Daphnia magna, reproduction, WAF (Water Accommodated Fraction) (OECD 211 method))
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EL50, algae, acute	> 1000 mg/l (72 Hours, Pseudokirchneriella subcapitata, Growth rate/cell numbers, WAF (Water Accommodated Fraction) (OECD 201 method), (Read-across))
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NOELr, algae	1000 mg/l (72 Hours, Pseudokirchneriella subcapitata, Growth rate/cell numbers, WAF (Water Accommodated Fraction) (OECD 201 method), (Read-across))
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Carbon black (1333-86-4)

EC50 Daphnia	> 5600 mg/l - 24 Hours (Daphnia magna, Mobility), (OECD 202 method)
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EC50 72h algae (1)	> 10000 mg/l - 72 Hours (Desmodesmus subspicatus, Growth rate/Biomass), (OECD 202 method)
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LC0, fish, acute	1000 mg/l (96 Hours, Danio rerio (OECD 203 method))
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NOEC, algae	> 10000 mg/l (72 Hours, Desmodesmus subspicatus, Growth rate/Biomass (OECD 202 method))
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12.2. Persistence and degradability

Polarshine 12 Black

Persistence and degradability	No information available.
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Potassium hydroxide (1310-58-3)

Persistence and degradability	Not relevant for inorganic substances.
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(Z)-Octadec-9-enylamine, ethoxylated (26635-93-8)

Persistence and degradability	Readily biodegradable.
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Carbon black (1333-86-4)

Persistence and degradability	Not relevant for inorganic substances.
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Aluminium oxide (1344-28-1)

Persistence and degradability	Not relevant for inorganic substances.
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12.3. Bioaccumulative potential

Polarshine 12 Black

Bioaccumulative potential	No information available.
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Potassium hydroxide (1310-58-3)

Bioaccumulative potential	Low bioaccumulation potential.
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White mineral oil (petroleum) (8042-47-5)

BCF fish 1	0.4 – 10900 l/kg (20 °C, pH: 7), (QSAR)
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Log Pow	4.3 – 18.02 (20 °C, pH: 7), (QSAR)
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(Z)-Octadec-9-enylamine, ethoxylated (26635-93-8)

BCF fish 1	23.4 l/kg (QSAR)
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Bioaccumulative potential	Low bioaccumulation potential.
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12.4. Mobility in soil

Polarshine 12 Black

Ecology - soil	No information available.
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Potassium hydroxide (1310-58-3)

Mobility in soil	Not expected to adsorb to soil
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White mineral oil (petroleum) (8042-47-5)

Log Koc	3.58 – 14.7 (20 °C, pH: 7), (QSAR)
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Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (90622-58-5)

Ecology - soil	Immiscible with water.
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Carbon black (1333-86-4)

Ecology - soil	Insoluble in water.
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Aluminium oxide (1344-28-1)

Ecology - soil	Insoluble in water.
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12.5. Results of PBT and vPvB assessment

Polarshine 12 Black

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number

UN-No. (ADR) : Not regulated
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : Not regulated

IATA
Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

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14.6. Special precautions for user

Special transport precautions : No special precautions required

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

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

15.1.1. EU-Regulations

Authorisations and/or restrictions on use (Annex XVII):		
Reference code	Applicable on	Entry title or description
3.	Polarshine 12 Black ; White mineral oil (petroleum) ; Hydrocarbons, C11-C13, isoalkanes, <2% aromatics ; (Z)-Octadec-9-enylamine, ethoxylated	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
3(b)	White mineral oil (petroleum) ; Hydrocarbons, C11-C13, isoalkanes, <2% aromatics ; (Z)-Octadec-9-enylamine, ethoxylated	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Polarshine 12 Black ; (Z)-Octadec-9-enylamine, ethoxylated	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

	ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route)
	CAS (Chemical Abstracts Service) number
	BCF (Bioconcentration factor)
	CLP (Classification, Labeling and Packaging)
	DNEL (Derived No Effect Level)
	EC (European Community)

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	EC50 (Effective Concentration 50%)
	EN (European Norm)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IOELV (Indicative Occupational Exposure Limit)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	NOEC (No Observed Effect Concentration)
	NOEL (No Observed Effect Level)
	OECD (Organisation for Economic Co-operation and Development)
	OEL (Occupational exposure limit)
	PBT (Persistent, Bioaccumulative and Toxic)
	PNEC (Predicted No Effect Concentration)
	QSAR (Quantitative Structure-Activity Relationship)
	REACH (Registration, Evaluation and Authorisation of CHemicals)
	STEL (Short Term Exposure Limit)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
	vPvB (very Persistent and very Bioaccumulative)

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Aquatic Chronic 3	H412
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Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Polarshine 12 Black

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.