

SAFETY DATA SHEET

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UNISHIELD-1

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Revision No: 1

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: UNISHIELD-1

Use / description of product: Metal/mould protectant.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: WHITE SPIRIT 60-90%
[-] R10; [Xn] R65; [Xi] R66; [-] R67; [N] R51/53;

Ingredient 2: MINERAL OIL 10-30%

Ingredient 3: PROPAN-2-OL <10%
CAS: 67-63-0
EINECS: 200-661-7
[F] R11; [Xi] R36; [-] R67;

Ingredient 4: N-OLEOYL SARCOSINE <10%
[Xi] R36/38; [N] R50/53;

Ingredient 5: OLEYL HYDROXYETHYL IMIDAZOLINE <10%
[Xn] R22; [C] R34; [N] R50/53;

Contains: Other ingredients: waxes, rheological agents, lanolin derivative.

3. HAZARDS IDENTIFICATION

Main hazards: Flammable.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact. Prolonged or repeated contact may defat the skin leading to dermatitis.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: Nausea and stomach pain may occur. There may be vomiting and diarrhoea. There may be loss of consciousness.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream. Seek medical advice if irritation develops.

[cont...]

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Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol resistant foam.

Exposure hazards: Flammable. In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Mix with sand or vermiculite. If inside, transfer outside of building in suitable containers. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste and transfer to sealed, labelled container for safe disposal.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Wear appropriate protective clothing when handling this product. Smoking is forbidden.

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area. White Spirit suggested OEL: 100ppm (8h TWA). Mineral oil OEL: 5mg/m³ (oil mist).

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Dark brown

Odour: Paraffinic

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Viscosity: Viscous

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Flammability limits %: lower: 0.6

upper: 12.0

Flash point°C: 38

Autoflammability°C: >230

Relative density: 0.85

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Sources of ignition. Flames.

Materials to avoid: Oxidising agents.

11. TOXICOLOGICAL INFORMATION

Effects of exposure Exposure to high levels of vapour may cause drowsiness, dizziness, nausea, headaches, vomiting. Prolonged contact with skin may cause irritation leading to dermatitis in extreme cases.

Ingredient 3: PROPAN-2-OL
ORL RAT LD50 5045mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water. Floats on water.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Transfer to waste solvent drum for collection by specialist disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1993

ADR Class: 3

Hazard ID no: 30

Labelling: 3

Shipping name: FLAMMABLE LIQUID, N.O.S. (CONTAINS WHITE SPIRIT)

IMDG / IMO

UN no: 1993

Class: 3.3

Packing group: III

EmS: 3-07

Marine pollutant: NO

Labelling: 3

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IATA / ICAO**UN no:** 1993**Class:** 3**Packing group:** III**Packing instructions:** 310**Quantity** 220 L**Labelling:** 3**15. REGULATORY INFORMATION****Hazard symbols:** Flammable.**Risk phrases:** R10: Flammable.**Safety phrases:** S2: Keep out of the reach of children.

S16: Keep away from sources of ignition - No smoking.

S36/37: Wear suitable protective clothing and gloves.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.**16. ADDITIONAL INFORMATION****Additional information:** Always use in accordance with manufacturer's directions.**Risk phrases used in s.2:** R10: Flammable.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R11: Highly flammable.

R36: Irritating to eyes.

R36/38: Irritating to eyes and skin.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R22: Harmful if swallowed.

R34: Causes burns.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.