



SAFETY DATA SHEET

UNISOL 58

Page 1

Issued: 18/08/04

Revision No: 1

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

Product name: UNISOL 58
Company name: Unicorn Chemicals Ltd
Unicorn House
Mowbray Drive
Blackpool
Lancashire
FY3 7UN
Tel: 01253 396101
Fax: 01253 302895

2. COMPOSITION / INFORMATION ON INGREDIENTS

3. HAZARDS IDENTIFICATION

Main hazards: Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

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.

Ingestion: Nausea and stomach pain may occur. There may be vomiting. There may be shortness of breath due to congestion of the lungs. There may be loss of consciousness. Convulsions may occur.

Inhalation: Inhalation of high levels of vapour may cause upper respiratory tract irritation.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash skin thoroughly with water and remove contaminated clothing. Obtain medical attention if symptoms develop.

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

Ingestion: Do not induce vomiting. If conscious, give half a litre 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.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

Exposure hazards: 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. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Contain the spillage using sufficient appropriate absorbent material.

Clean-up procedures: Wash away spillage residues to foul sewer.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Take precautionary measures against static discharges. Do not pressurise, cut, heat or weld containers.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits**

WEL (8 hr exposure limit): 1000mg/m³ (150ppm)

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Do not handle in a confined space.

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

Hand protection: Use of impervious gloves is recommended.

Eye protection: Wear safety glasses or goggles if risk of splashing.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Faint

Evaporation rate: 0.025 (nBuAc=1)

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: 1.64 cSt

Boiling point/range°C: 180-217
Melting point/range°C: <-20
Flammability limits %: lower: 0.6
upper: 7.0
Flash point°C: 62
Autoflammability°C: >200
Vapour pressure: 0.1kPa
Relative density: 0.785

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid: Strong oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Routes 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. May cause eye irritation. Small amounts of liquid aspirated into respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

12. ECOLOGICAL INFORMATION

Mobility: Highly volatile.

Persistence and degradability: Readily biodegradable.

Other adverse effects: No acute toxicity to aquatic organisms is expected. Long term adverse effects to aquatic organisms are not expected.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Retain for recovery.

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

14. TRANSPORT INFORMATION

ADR / RID

Shipping name: NOT CLASSIFIED FOR TRANSPORT

IMDG / IMO

IATA / ICAO

15. REGULATORY INFORMATION

Hazard symbols: Harmful.

SAFETY DATA SHEET

UNISOL 58



Risk phrases: R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.

Safety phrases: S23: Do not breathe vapour/spray.
S24: Avoid contact with skin.
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. OTHER INFORMATION

Other information: Suggested Hazard Groups A and S for handling this product (Publication HSG193-HSE COSHH Essentials guidelines).
Always use in accordance with manufacturer's directions.

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.