

4. FIRST AID MEASURES

Eye contact: Wash with plenty of water / eyewash. Seek medical attention if irritation persists

Skin contact: Wash with soap and water.

Inhalation: Move to fresh air.

Ingestion: Low toxicity by ingestion, may be harmful if ingested in quantity. Drink plenty of water.
Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)

Unsuitable extinguishing media: N/A

Fire-fighting Protective Equipment: N/A

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid Eye Contact. If released in large quantities ventilate the area to dispel residual vapours

Environmental precautions: None established. Avoid bulk quantities entering fresh water drains.

Methods for cleaning: Absorb with inert absorbent and dispose of in accordance with local authority regulations. Wash site of spillage with water and detergent.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good hygiene and safety practice. Avoid contact with skin and eyes.

Storage: None

8. EXPOSURE CONTROLS

Exposure controls Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls.

LTEL (8 hour TWA): 10 ppm (acetic acid, EH40/2002)

STEL (15 min): 15 ppm (acetic acid, EH40/2002)

LTEL (8 hour TWA): 150 ppm (propane-1,2-diol vapour plus particulates, EH40/2002)

STE LTEL (8 hour TWA): 10 mgm⁻³ (propane-1,2-diol particulates, EH40/2002)

Respiratory protection: Ensure adequate ventilation.

Hand Protection: Wear rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)

Skin Protection: N/A

Eye Protection: Wear goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque milky (pale yellow/white) liquid.

Odour: Slightly acidic, vinegar.

pH: 4 - 4.4

Boiling Point: 100 °C

Melting Point: -2 °C

Flashpoint: (°C): N/A

Flammability: N/A

Autoflammability: N/A

Explosive Properties: N/A

Oxidising Properties: Not determined, but unlikely

Vapour Pressure: Not determined, consider as water

Relative Density: 0.997

Solubility: (water & Oil): Oil in water emulsion. Completely miscible with water, partly miscible with oils

10. STABILITY AND REACTIVITY

Conditions to avoid: Freezing (temperatures below -2 °C)

Materials to avoid: None known

Hazardous Decomposition Materials: None known

11. TOXICOLOGICAL INFORMATION

A concise description of Toxicological properties follows:

Acetic acid content may irritate the eyes and skin. Prolonged exposure in a confined space may cause irritation to the respiratory system. Not known to be harmful by ingestion.

12. ECOLOGICAL INFORMATION

Possible effects: None known.

Environmental Fate: When used and disposed of as intended, no adverse environmental effects are foreseen. Inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

14. TRANSPORT INFORMATION

Special Carriage Precautions: None

Date Printed: 03/11/05

15. REGULATORY INFORMATION

EC / CHIP 3 Classification: Classified as NON-HAZARDOUS

Hazard symbol: none

Risk Phrases: none

Safety Phrases: S2 Keep out of the reach of children; S25 Avoid contact with eyes.

16. OTHER INFORMATION

The safety data sheet has been revised in the following sections: 2, 8, 16

The data contained in this Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging for Supply) Regulations 1994, as amended (if applicable), for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

Risk phrases in section 2

R35: Causes severe burns

R36/37: Irritating to eyes and respiratory system