

HAZARDS IDENTIFICATION

Causes mild eye irritation. Causes mild skin irritation. May cause respiratory tract irritation.

Target Organs: Kidneys, central nervous system, liver, eyes, skin.

Potential Health Effects

Eye: Causes mild eye irritation.

Skin: Causes mild skin irritation. May be harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. Expected to be a low ingestion hazard.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

Chronic: May cause liver and kidney damage. Prolonged or repeated exposure may cause nausea, dizziness, and headache. Adverse reproductive effects have been reported in animals.

3.COMPOSITION

Chemical Name Wt.% CAS No.

Dipropylene Glycol Min. 99.9 25265-71-8

4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure to fresh air immediately. Get medical aid.

Page 3

5. FIRE-FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 310°C

Flash Points: 138 °C

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of open flames and sparks of heat.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Small Fire: Use DRY chemical powder.

Large Fire: Use water spray, fog or foam. Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment.

Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

7. HANDLING AND STORAGE

Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles and face protection.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-

Page 4

drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Liquid (Slightly Viscous liquid)

Odor: Odorless

Molecular Weight: 134.18 g/mole

Color: Colorless

Boiling Point: 231.9°C

Melting Point: Not available

Specific Gravity: 1.0252 (Water = 1)

Vapor Pressure: >0 kPa (@ 20°C)

Vapor Density: 4.63 (Air = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

No information available at this time.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with local environmental control regulations.

Page 5

14. TRANSPORT INFORMATION

DOT No.: Not Regulated.

UN No.: Not Allocated

15. REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 25265-71-8: 1

Canada

CAS# 25265-71-8 is listed on Canada's DSL List.

CAS# 25265-71-8 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 25265-71-8 is listed on the TSCA inventory.

16. OTHER INFORMATION

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.

Page 6

Caution

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct since it was obtained from sources we believe are reliable. However no representation, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle, or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion.