

# AVIATION & INDUSTRIAL N.D.T. SUPPLIES

Division of Ezy Spray Manufacturers Pty. Ltd. (Inc. in Victoria)

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## Material Safety Data Sheet

### DP50 RED DYE PENETRANT (aerosol)

#### STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to the criteria of Worksafe Australia

Page 1 of 2

Date issued: June 2006

Version No: 1

#### EMERGENCY CONTACTS

Normal Office Hours-Mon-Fri 8.30am-5.00pm (03) 5977 4088 Poisons Information Centre (24 hours) 13 11 26

#### PRODUCT IDENTIFICATION

**PRODUCT NAME:** DP50 Red Dye Penetrant-

**UN No:** 1950

**Subsidiary Risk:** N/A

**EPG No:** 2A2

**HAZCHEM:**2WE

**DG.Class:** 2

**Packing Group:** N/A

**Poisons Sch:** S5

**USE/APPLICATION:** Crack detection fluid

#### INGREDIENTS

Liquefied petroleum gas

**CAS No.**

**% IN PRODUCT**

Synthetic ethoxylated C9-C11 alcohol

68476-85-7

Not available

Polyethylene glycol 400 mono oleate

68439-46-3

10-20

Aliphatic cycloparaffinic hydrocarbon blend

9004-96-0

10-20

Non hazardous propriety colouring

64742-47-8

50-70

N/A

<10%

#### PHYSICAL DESCRIPTION/PROPERTIES

**APPEARANCE AND ODOUR:** Red liquid with typical petroleum spirit odour

**BOILING POINT:(°C):** N/A

**pH:** N/A

**VAPOUR PRESSURE (Kpa @ 20°C):** approx 350

**SOLUBILITY IN WATER:** Immiscible

**SPECIFIC GRAVITY (g/cm<sup>3</sup>):** N/D

**AUTOIGNITION TEMP (°C):** approx 460°C

**FLAMMABILITY LIMITS%:** LEL 1.8 UEL 9.5

**FLASH POINT (°C):** < -100

#### HEALTH HAZARD INFORMATION

##### ACUTE AND CHRONIC EFFECTS OF OVEREXPOSURE

**EYES:** Contact may result in irritation, pain and redness.

**SKIN:** Contact may result in defatting of the skin and moderate irritation.

**INHALED:** Moderate toxicity-narcotic. Over exposure may result in upper respiratory irritation, nausea, dizziness and vomiting.

**SWALLOWED:** Harmful. Ingestion may result in nausea, vomiting, and possible lung damage.

#### FIRST AID PROCEDURES

**EYES:** Flush with water for 15 minutes. Seek medical attention if symptoms persist.

**SKIN:** Remove contaminated clothing. Flush affected area with soap and water. Seek medical attention if irritation develops.

**INHALED:** Leave area of exposure immediately. If victim is not breathing apply artificial respiration and seek medical assistance.

**SWALLOWED:** Do not induce vomiting. If poisoning occurs seek immediate medical attention.

**FIRST AID FACILITIES:** A source of water or eyewash bottle should be nearby.

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Page 2 of 2.

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## ADVICE TO DOCTOR

Treat symptomatically

## PRECAUTIONS FOR USE

**EXPOSURE LIMITS:** Liquid petroleum gas 1000 ppm. Paraffinic hydrocarbons 200ppm.

**ENGINEERING CONTROLS:** Adequate ventilation is required to keep below exposure limits.

### PERSONAL PROTECTION:

**GLOVES:** Wear impervious gloves if a risk of contact exists.

**PROTECTIVE CLOTHING:** Wear coveralls when using regularly.

**EYE PROTECTION:** Wear splash proof goggles if a risk of contact exists.

**RESPIRATORY PROTECTION:** Not normally required in well-ventilated areas

**FLAMMABILITY:** Product is flammable.

## SAFE HANDLING INFORMATION

**STORAGE:** Avoid ignition sources. Store in a well-ventilated area in accordance with the statutory requirements for the storage of aerosols using liquefied flammable gas as a propellant

**TRANSPORT:** Transport in accordance with the ADG Code requirements for aerosols, Class 2.1 dangerous goods.

**SPILLS:** Absorb spill with sand or other inert absorbent and place in sealed containers for disposal.

**DISPOSAL:** Do not incinerate. Dispose of unwanted product in accordance with State statutory regulations.

**FIRE AND EXPLOSION HAZARD:** Product has a potentially flammable vapour and has hazards similar to aerosols using liquefied petroleum gas as a propellant.

**EXTINGUISHING MEDIA:** Use a dry agent, carbon dioxide or foam.

**FIRE FIGHTING PROCEDURES:** For fires involving large amounts wear full protective equipment and fight from upwind.

**UNUSUAL FIRE/EXPLOSION HAZARDS AND DECOMPOSITION PRODUCTS:** Product is readily ignited.

**INCOMPATIBILITY:** Avoid contact with oxidising agents and spontaneously combustible substances.

## OTHER INFORMATION

Abbreviations: N/D-Not determined.

N/A-Not applicable.

This MSDS is valid for 5 years from the date of issue. However, this version may be revoked and revised at any time and users should contact Aviation and Industrial NDT Supplies to ensure they are in possession of the latest version.

Contact Point: (03) 5977 4088 Business Hours.

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