

AVIATION & INDUSTRIAL N.D.T. SUPPLIES

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

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Material Safety Data Sheet

DP40 RED DYE PENETRANT (aerosol)

STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to the criteria of Worksafe Australia

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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: DP40 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

CAS No.

% IN PRODUCT

Liquefied petroleum gas

68476-85-7

Not available

Isodecyl diphenyl phosphate

29761-21-5

10-20

Di-sec-octyl phthalate

117-81-7

20-30

Aliphatic cycloparaffinic hydrocarbon blend

64742-47-8

50-70

Non hazardous proprietary colouring

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/cm³): 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. Possible risk of impaired fertility or harm to the unborn child (based on large oral doses of di-sec-octyl phthalate to rodents)

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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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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