

Chem Alert Report

Product Name **DPX MOUNTANT FOR MICROSCOPY**

Ingredient

XYLENE

Conc.

>50%

CAS No.

1330-20-7

Shipping**CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**

FLAMMABLE LIQUID, N.O.S.

Synonyms

36029 - PRODUCT CODE, DPX MOUNTANT, DPX MOUNTANTS, FLAMMABLE LIQUID, N.O.S. (CONTAINS XYLENE), SOLUTION IN ORGANIC SOLVENT.

Appearance

VISCIOUS COLOURLESS LIQUID

Odour

XYLENE ODOUR

Use(s)

LABORATORY REAGENT, LABORATORY APPLICATIONS.

Supplier

FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26

Stock No.

18, 41, 493.

Poison Sched

6

Hazchem 3[Y]**UN No.** 1993**D.G Class** 3**Pkg Group**

III

EPG 3A1**Sub/Tert Risk** None Allocated

HEALTH HAZARDS

Health Hazard Summary

Toxic - irritant. This product has the potential to cause acute and chronic health effects. Use safe work practices to avoid eye or skin contact and vapour generation/inhalation. Chronic exposure to organic solvents may result in liver, kidney and CNS damage.

Eye

Irritant. Exposure may result in lacrimation, irritation, pain, redness, conjunctivitis and possible corneal burns with prolonged contact.

Inhalation

Irritant - toxic. Over exposure may result in irritation of the nose and throat, headache, fatigue, loss of appetite, nausea and vomiting. At high levels; dizziness, breathing difficulties, pulmonary oedema and unconsciousness. Chronic exposure may cause liver, kidney and CNS damage.

Skin

Irritant - toxic. Prolonged contact may result in drying and defatting of the skin, rash and dermatitis. Toxic effects may result from skin absorption.

Ingestion

Toxic. Ingestion may result in nausea, vomiting, abdominal pain, dizziness, fatigue and diarrhoea. Large doses may cause kidney and liver damage, unconsciousness and convulsions. Aspiration into lungs may cause chemical pneumonitis and pulmonary oedema.

PRECAUTIONS

Flammability

Flammable. Vapours may form explosive mixtures with air. May evolve irritating and toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Reactivity

Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. sulfuric acid), heat and ignition sources.

Ventilation

Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

PPE

Wear coveralls, splash-proof goggles and PVA or viton (R) gloves. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator. At high vapour levels, wear Self Contained Breathing Apparatus (SCBA) or an Air-line respirator.



Colour
Rating
AMBER

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FIRST AID

- Eye** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or for at least 15 minutes.
- Inhalation** If over exposure occurs, leave area of exposure immediately. If other than minor symptoms occur, seek urgent medical attention. If assisting a victim avoid becoming a casualty, wear a Full-face Type A (Organic vapour) respirator or Air-line respirator.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
- Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

SAFE HANDLING

- Storage** Store in cool, dry, well ventilated area, preferably flammables store, removed from direct sunlight, heat and ignition sources, oxidising agents (eg. peroxides), acids (eg. nitric acid) and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate fire protection and ventilation systems.
- Waste Disposal** Wearing the protective equipment outlined, ensure all ignition sources are extinguished. For small quantities, absorb on paper, sand or similar and evaporate under a fume cupboard or open area. For large volumes, atomise into incinerator (mixing with more flammable solvent if required) or recycle by gravimetric separation, distilling & reusing. Contact the manufacturer for additional information if required.
- Transport** Class 3 Flammable liquid. Do not transport with chemicals of class; 1 (Explosives), 2.1/ 2.3 (Flammable/ Toxic gases), 4.2 (Spontaneously combustibles), 5.1 (Oxidising agents), 5.2 (Organic peroxides), 6 (Toxics), 7 (Radioactives) and foodstuffs.

EMERGENCY

- Spillage** If spilt (bulk), contact emergency services. Wear splash-proof goggles, PVA/viton gloves, a Type A (Organic vapour) respirator or Air-line respirator, coveralls and rubber boots. Ventilate and clear area of all unprotected personnel. Eliminate heat and ignition sources, absorb spill with sand or similar and place in sealable containers for disposal. Prevent spill entering drains or waterways.
- Environment** If aromatic hydrocarbons are released to soil, they will evaporate from near-surface soil & leach to groundwater. Biodegradation occurs in soil & groundwater but may be slow, especially at high concentrations, which can be toxic to microorganisms. Will exist largely as vapour in air. Half life in atmosphere depends on particular hydrocarbon (eg 1-2 days (xylene); 3 hrs-1 day (toluene)).
- Fire and Explosion** Flammable - explosive vapour. Evacuate area & contact emergency services. Toxic gases (carbon oxides, hydrocarbons) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
- Extinguishing** Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways. Absorb runoff with sand or similar.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: FLAMMABLE
Boiling Point: NOT AVAILABLE
Exposure Standard: 80 ppm Xylene
pH: NOT RELEVANT
Specific Gravity: NOT AVAILABLE
Vapour Pressure: NOT AVAILABLE
Lower Explosion Limit: 1.1 %

Flash Point: 25 C (oc)
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
% Volatiles: NOT AVAILABLE
Solubility (water): INSOLUBLE
Upper Explosion Limit: 7 %
Autoignition Temperature: 465 C