



Appendices 4 SAMPLE MATERIAL SAFETY DATA SHEET

Example: Mineral Turpentine

MATERIAL SAFETY DATA SHEET	
This MSDS supersedes MSDS revision dated 6 October, 2000	
IDENTIFICATION	
PRODUCT NAME:	
Mineral Turpentine	UN Number: 1300 Class: 3 Subsidiary Risk: n/a Packaging Group: III EPG: 3A1 Hazchem Code: 3[Y] Poison Schedule: 5
OTHER NAMES: Turpentine Substitute	
HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA	
PRODUCT CODE: TUM	USE: For use as a solvent for paints, etc and for equipment clean up.
PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE: Colourless mobile liquid with a petroleum solvent odour	
BOILING POINT: 145°C - 200°C	MELTING POINT: No data available
VAPOUR PRESSURE: <5mmHg	VAPOUR DENSITY: 4.35
SPECIFIC GRAVITY: 0.82	SOLUBILITY (WATER): Insoluble
FLASH POINT: 33°C	EXPLOSION LIMITS: LEL: 0.9% UEL:5.5%
VOLATILES: 100	pH: Not pertinent
INGREDIENTS	
Hydrocarbon liquid distilling under 300°C	64742-88-7 >98%
Benzene	71-43-2 <0.5%
HEALTH HAZARD INFORMATION	
ACUTE	
INGESTION Irritating. May cause symptoms of stomach pain, nausea and vomiting. Ingestion of large doses may cause unconsciousness. If vomiting occurs after ingestion, small droplets of the liquid may enter the lungs (aspiration) with the risk of chemical pneumonia being induced.	
EYE Irritating.	
SKIN Mildly irritating. Contact with the product may defat and irritate the skin and contribute to dermatitis.	
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Revised: 16 December, 2002	Date Issued: 2 January, 2003

Health Hazard Information continued

INHALATION

Product has low volatility so inhalation of hazardous quantities of vapour is unlikely to occur during normal use. However, if inhaled, vapours have anaesthetic properties and may cause headache, nausea and dizziness. Higher concentrations may cause unconsciousness and coma.

CHRONIC

Inhalation and ingestion are the routes of entry into the body. The product defats the skin and prolonged or repeated contact may contribute to dermatitis.

Hydrocarbon liquid distilling under 300°C: TCl₀ (inhaled, human): 600mg/m³/8H; LC50 (inhaled, rat): 3400ppm/4H;

Eye (human): 880ppm/15min: irritant effect.

ADVICE TO DOCTOR

Because of the risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

FIRST AID PROCEDURES**INGESTION**

NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK NOR ATTEMPT TO INDUCE VOMITING. If person is conscious, rinse mouth out with water ensuring that mouth wash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek URGENT medical attention.

EYE

Hold eyelids open and rinse the eye continuously with a gentle stream of clean running water for at least fifteen minutes. Seek medical attention.

SKIN

Remove contaminated clothing and wash thoroughly with soap and water. Use water alone, if soap is unavailable. Apply a moisturising hand cream, if available. Seek medical attention if any soreness or inflammation of the skin persists or develops. Launder affected clothing before re-use.

INHALATION

Remove to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek medical attention.

PRECAUTIONS FOR USE**ENGINEERING CONTROL**

Ventilation requirements depend on the quantity of product in use and the method of application. Work area should have good, mechanical ventilation. Local exhaust ventilation may be required if the product is sprayed.

PERSONAL PROTECTION

Requirements are dependant on working conditions, method of application and quantity of product in use. For minor use, safety goggles and PVC or natural rubber gloves may be sufficient. If large quantities are in use or if the product is being sprayed, chemical resistant safety goggles, gloves or gauntlets and overalls may be required. A half face respirator with organic solvent vapour filter may be required unless the area is well ventilated. In confined spaces use air supplied breathing apparatus. N.B. TAKE THE LIMITS OF ABSORPTION CAPACITY INTO ACCOUNT. CHANGE FILTERS REGULARLY.

FLAMMABILITY

Flammable. Solvent vapours can form flammable mixtures with air on heating. May evolve toxic fumes if heated strongly or burned. The product may react with strong oxidising agents such as liquid or powdered chlorine.

EXPOSURE STANDARDS

Hydrocarbon liquid distilling under 300°C (64742-88-7): E.S. TWA: 480mg/m³

Oil mist E.S. (TWA): 5mg/m³.

SAFE HANDLING PROCEDURES

STORAGE

Class 3 Flammable Liquids should not be transported or stored with goods of: Class 1 (Explosives), Class 2.1 (Flammable Gases, where both flammable liquid and flammable gases are in bulk), Class 2.3 (Poisonous Gases), Class 4.2 (Spontaneously Combustible Substances), Class 5.1 (Oxidising Agents), Class 6 (Poisonous (toxic) Substances, where the flammable liquid is nitromethane), Class 7 (Radioactive Substances).

Store in a flammable liquids area: designated no smoking, away from all sources of ignition, out of direct sunlight in a cool well ventilated area below 25 degrees Celsius. Higher temperatures may cause pressure build up inside containers. Protect containers against physical damage. Ventilation along the floor is advised for bulk storage.

SPILLS & DISPOSAL

SPILLS: Remove unnecessary personnel from the affected area. Wear protective equipment as specified for handling. Cover with an absorbent such as earth, sand or a commercial oil absorber. Sweep up and collect in sealable containers. Dispose to approved land-fill.

DISPOSAL: If possible, return to supplier. Otherwise, dispose by controlled incineration or to approved land-fill.

FIRE EXPLOSION

Flammable. Sealed containers may explode if heated. Vapours can form flammable mixtures with air. May evolve toxic fumes if heated or burned.

Wear self contained breathing apparatus. Keep containers as cool as possible by spraying with water, from a protected position. Water is not effective for fire-fighting. Extinguish using foam, powder (bicarbonate or ammonium phosphate based) or carbon dioxide.

OTHER INFORMATION

HAZARD CLASSIFICATION

Xn Harmful

RISK PHRASES

R65 Harmful: May cause lung damage if swallowed.

R38 Irritating to the skin.

CONTACT POINT

Customer Service

(08) 9452 5200

Emergency Advice

(08) 9452 5200 7:30 – 4:30 Mon – Fri Western Standard Time

Poisons Information Centre: Australia 131 126 or New Zealand 03 4747 000

