

MATERIAL SAFETY DATA SHEET

1. SUBSTANCE AND COMPANY IDENTIFICATION

PRODUCT NAME	MONO-COAT® 1470	
PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (Contains xylene and aromatic hydrocarbons)	
RECOMMENDED USE	Release Agent	
COMPANY NAME	Chem-Trend Australia Pty. Ltd.	Chem-Trend New Zealand Limited
ADDRESS	32 Cahill Street, Dandenong, Victoria 3175 Australia.	Suite 31, 300 Richmond Road, Grey Lynn, Auckland, New Zealand.
TELEPHONE	(03) 9794 5877	(09) 360 3238
EMERGENCY TELEPHONE	(03) 9794 5877 9a.m. to 5 p.m.	021 278 8929 9 a.m. to 5 p.m.
AFTER HOURS EMERGENCY	000 Police or Emergency Services	111 Police or Emergency Services
POISONS CENTRE	13 11 26	0800 764 766

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION AUSTRALIA	DANGEROUS GOODS. HAZARDOUS Xn Harmful Classified as Hazardous according to criteria of NOHSC.
HAZARD CLASSIFICATION NEW ZEALAND	HAZARDOUS. Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
NZ CLASSIFICATION & TYPE	3.1C, 6.1D, 6.3A
POISONS SCHEDULE	AUST: SCHEDULE 5 POISON.
RISK PHRASES	R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R38 Irritating to skin. R65 Harmful: may cause lung damage if swallowed.
SAFETY PHRASES	S9 Keep container in a well-ventilated place. S16 Keep away from sources of ignition. S29 do not empty into drains. S23 Do not breathe gas/fumes/vapour/spray. S24/25 Avoid contact with skin and eyes. S28 After contact with skin, wash immediately with plenty of soapsuds. S36/37 Wear protective clothing and gloves (such as rubber). S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible) S51 Use only in well ventilated areas. S53 Avoid exposure - obtain special instructions before use. S61 Avoid release to the environment, refer to special instructions in this MSDS. S62 If swallowed, do not induce vomiting; seek medical advice immediately and show the container or label.

3. COMPOSITION / INFORMATION ON INGREDIENTS

PURE SUBSTANCES	Xylene	1330-20-7	35-45%
	Aromatic Petroleum Distillates	64742-95-6	<10%
	1,2,4 Trimethylbenzene	95-63-6	<20%
MIXTURE	Other substances determined not to be hazardous	Mixture	35-50%
	Resin Blend	Mixture	Balance

4. FIRST AID MEASURES

SYMPTOMS AND HEALTH EFFECTS	<p>Swallowed: Harmful or fatal if swallowed. Ingestion of product can cause gastrointestinal (digestive) tract irritation, nausea and diarrhoea. If product is swallowed DO NOT induce vomiting because of the danger of aspiration of the solvent into the lungs, which can be fatal due to chemical pneumonitis.</p> <p>Eye: Liquid product splashed in the may result in irritation, redness and swelling with a burning sensation and blurred vision.</p> <p>Skin: Primary irritation to skin, harmful in contact with skin. Symptoms include burning sensation, redness, swelling and possible blistering. Prolonged exposure may result in dryness and cracking. Avoid skin contact.</p> <p>Inhalation: Irritating to the respiratory tract. Vapour concentrations above the exposure standard may cause dizziness and drowsiness. Prolonged exposure will result in muscle weakness, tingling in hands and feet, blurred vision, headaches, loss of appetite, nausea and possible loss of consciousness. There is a possibility of organ damage with prolonged use or exposure and Central Nervous System depression.</p> <p>Chronic: Persons with pre-existing liver, kidney, central nervous system or skin complaints should avoid unnecessary exposure to this product.</p>
WORKPLACE FACILITIES	Eye Wash and normal washroom facilities.
FIRST AID INSTRUCTIONS	<p>Swallowed: If product is swallowed, DO NOT induce vomiting. Seek medical attention immediately.</p> <p>Eye: If product comes in contact with eyes flush with water for at least 15 minutes holding eyes open. Seek medical attention.</p> <p>Skin: If product comes in contact with skin wash with soap and water. Seek medical attention if irritation develops or persists. Launder clothing before reuse.</p> <p>Inhalation: If adverse effects such as dizziness, nausea or irritation are noted move victim to fresh air. Seek medical attention.</p>
SPECIAL TREATMENT	Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FIRE HAZARDS	Warning Highly Flammable Liquid – Vapours can cause flash fire. Containers may explode if exposed to extreme heat. Remove all sources of ignition, heat, sparks and flames. Empty containers remain very hazardous. Do not cut, puncture or weld on empty drum because it may contain explosive or harmful vapours.		
FIRE HAZARD PROPERTIES	FLASH POINT	29°C	
	FLAMMABLE LIMITS IN AIR	Lower (LEL): 0.8%	Upper (UEL): 7%
	AUTO IGNITION	Unknown	
	FLAMMABILITY CLASSIFICATION	AUS: Class 3	NZ: Class 3.1C
	HAZARDOUS DECOMPOSITION OR BY-PRODUCTS	No decomposition products except on burning.	
	HAZARDOUS REACTIONS	Reacts with oxidising agents, mineral acids, halogenated organic compounds.	
EXTINGUISHING MEDIA	Use foam, carbon dioxide or dry chemical.		
HAZCHEM	3(Y)		
FIRE FIGHTING EQUIPMENT	Fire fighter should wear self contained breathing apparatus (SCBA) when fire fighting in a confined space.		

6. ACCIDENTAL RELEASE MEASURES

SPILLS AND LEAKS	Eliminate all ignition sources. Vapours are heavier than air and may spread long distances or collect in low spots. Wear protective equipment as specified in the PPE section of this MSDS. Shut off source of spill is possible and safe to do so. Prevent liquid from entering sewers, watercourses, or low-lying areas. Contain with sand or earth. Collect absorbed material using non sparking tools. See Section 13 for Disposal Considerations.
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7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Flammable Liquid. Do not open near open flame, sources of heat or ignition. Remove all sources of ignition, heat, sparks and flames. Open slowly to control possible pressure release. Take precautionary measures against electrostatic loading, ground all equipment pumping product. Do not cut, puncture or weld on empty drum because it may contain explosive or harmful vapours. Wear PPE as specified in the PPE section of this MSDS. Use exhaust ventilation as specified in Engineering Controls section of this MSDS. Do not eat, drink or smoke while using this product.
CONDITIONS FOR SAFE STORAGE	Store in a well ventilated area away from heat and sources of ignition. Do not store at temperatures above 43°C. Store away from strong oxidisers. Store in suitable labelled containers. Have appropriate fire extinguishers available in and near the store area. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (PPE)

EXPOSURE STANDARDS	NAME	TWA		STEL		FOOTNOTE
		ppm	mg/m ³	ppm	mg/m ³	
AUSTRALIAN NOHSC	Xylene isomers	80	350	150	655	
NEW ZEALAND WES	Xylene isomers	50	217	-	-	
USA OSHA	Xylene isomers	100	-	150	-	
ENGINEERING CONTROLS	NOHSC Australia has assigned the following exposure standard for Highly Refined Mineral Oil mists – TWA 5mg/m ³ , STEL 10mg/m ³ . Ensure ventilation is adequate to maintain air concentrations below exposure standards. If local exhaust ventilation is used, ensure sufficient air is replaced to compensate the air that has been removed. Vapour is heavier than air and will tend to accumulate in hollows or sumps. DO NOT enter confined spaces where vapours may have collected.					
RESPIRATOR TYPE (AS/NZS1716)	Good industrial hygiene practices recommend that engineering controls (such as local and/or mechanical ventilation) be used to reduce environmental concentrations to the permissible exposure level. Respirators may be used when engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, or when they fail and need to be supplemented. If the use of a respirator is necessary use only AS/NZS1716 or AS1715 approved air supplied respirator or an air-purifying respirator.					
EYE PROTECTION	Safety glasses with side shields or chemical goggles.					
GLOVE TYPE	Impervious gloves (such as laminated film, supported polyvinyl alcohol).					
CLOTHING	Appropriate clothing to avoid skin contact.					

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / ODOUR	Clear fluid / naphtha odour
PH VALUE	Not applicable
VAPOUR PRESSURE	Not available
VAPOUR DENSITY (Air =1)	Not available
BOILING POINT	136-181°C (range)
MELTING / FREEZING POINT	Not available
SOLUBILITY IN WATER	Nil
SPECIFIC GRAVITY	0.87
FLASH POINT	29°C
% VOLATILE BY WEIGHT	90-100%
EVAPOURATION RATE	Not available
ADDITIONAL INFORMATION	Additional information can be found in Section 5 Fire Hazard Properties and in section 10 Stability / Reactivity.

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions of use
CONDITIONS TO AVOID	Sources of heat, ignition and open flame.
INCOMPATIBILITY	Natural rubber, butyl rubber, EPDM, polystyrene, neoprene or nitrile rubbers.

HAZARDOUS DECOMPOSITION PRODUCTS	No decomposition products except on burning.
HAZARDOUS POLYMERIZATION / CONDITIONS TO AVOID	Will not occur
SPECIFIC DATA FOR MIXTURE	As above
SPECIFIC INGREDIENT DATA	Not available

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA	Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Person with severe skin, liver or kidney problems should avoid use.
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12. ECOTOXICITY INFORMATION

ECOTOXICITY DATA	None available
ENVIRONMENT RISK PHRASES	None known

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Disposal should be done by an authorised Disposal Management Company.
SPECIAL PRECAUTIONS	New or used mineral oils or solvents must not be allowed to enter the ground, ground water, water course, sewerage's or drainage systems. Advice may be sought from the Environmental Protection Agency or from an authorised disposal authority.

14. TRANSPORT INFORMATION

UN NUMBER	1993
CLASS	3
PACKING GROUP	III
HAZCHEM	3(Y)
PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (Contains xylene and aromatic hydrocarbons)
TRANSPORT	This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 - Flammable Liquids are incompatible in a placard load with any of the following; Class 1, Explosives Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk Class 2.3, Toxic Gases Class 4.2 Spontaneously Combustible Substances Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides Class 6 Toxic Substances (where the flammable liquid is nitromethane) Class 7 Radioactive Substances.
EPG Number	3A1
IERG Number	14
EmS Number	F-E, S-E

15. REGULATORY INFORMATION

AUSTRALIA	Hazardous according to NOHSC: Xn Harmful. Schedule 5 Poison. Ingredients are AICS listed.
NEW ZEALAND	Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Existing under TSA.
USA	-

16. OTHER INFORMATION

REFERENCES	SF-47 16/09/05
DOCUMENT NUMBER	MSDS-981 26/04/2007