MATERIAL SAFETY DATA SHEET Date of Issue: May 2010

Health, Safety and Environment Data

IDENTIFICATION

Product Name:	INDUSTRIAL LACQUER	**UN Number:**	1263
		Hazchem Code:	3(Y)E
		Dangerous Goods Class:	3.1
Other Names:	Paints, etc., Flammable Liquid	**Subsidiary Risk Class:**	None
		Poisons Schedule:	5 & 6 (refer Label for lead content)
Product Code:	540 Prefix		
		Packaging Group	II

Use: Coating for various industrial applications. Apply by Spray

Physical Description/Properties

Appearance:	Heavy bodied liquid, clear or any colour, with typical lacquer odour.
Specific Gravity:	0.97-1.17 Depending on colour
Boiling Point/Range (➞C):	80 – 160
Vapour Pressure:	Approx. 5 kPa
Flash Point (➞C):	Approx. 10 Abel
Flammability Limits (%):	LEL 1.0 UEL 12.8
Solubility in Water:	Negligible

Hazardous Ingredients		CAS No	**Percent by Weight**
Some colours may contain lead. Refer to label for information.			
Pigments:	Lead Chromate (if applicable)	7758 – 97 – 6	10 – 30
	Lead Sulphate (if applicable)	7446 – 14 – 2	<2
Resin:	Nitrocellulose	9004 – 70 – 0	10 – 30
Solvents:	Xylene	1330 – 20 – 7	10 – 30
	N-Butanol	71 – 36 – 3	<10
Others:	Other ingredients not considered hazardous to 100%		

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE

Swallowed: May cause irritation to mouth, throat and digestive tract. May cause nausea and vomiting. Large amount may cause unconsciousness. Some colours may contain lead (refer to label information) and possibility of lead poisoning exists.

Eye: Irritant. May cause corneal damage.

Skin: Irritant. Avoid prolonged or repeated contact as this may cause dermatitis.

Inhaled: Vapour is irritant to mucous membranes and respiratory tract. Vapour can affect the central nervous system and result in headaches and dizziness. High concentrations of vapours, if exposure is prolonged, may cause unconsciousness. Aspiration of the liquid into the lungs can cause serious (even fatal) pneumonitis.

FIRST AID

Swallowed: If swallowed, contact a Doctor or Poisons information center with delay. Do not induce vomiting due to risk of aspiration. Give a glass of water and seek medical attention. If any suspicion of aspiration into the lungs (e.g. during vomiting) obtain medical advice immediately.

Eye: Wash with water for at least 15 minutes and seek medical attention.

Skin: Wash off with soap and water. Remove contaminated clothing and launder before re-use.

Inhalation: Move to fresh air. Keep warm and at rest. Seek medical attention.

Advice to Doctor: Because of risk of aspiration, gastric lavage should be undertaken after endotracheal intubation.

PRECAUTIONS FOR USE

Exposure Limits: Not established for product. Constituents TWA 8 hour, five-day week:
N-Butanol: 152mg/m3, 50 ppm, Xylene: 360 mg/m3, 80 ppm.
Lead Chromate (as pigment – inorangic dust): 0.15 mg/m3.
Lead Chromate (as pigment – as Cr): 0.05 mg/m3
Pigment is a Category 2 carcinogen. Probable human cardinogen.

Engineering Controls: Avoid breathing vapour. Use in a well-ventilated area. Keep concentrations **of dust below exposure levels.** Local exhaust ventilation required. For spray application, use a spray booth fitted with an effective filtered exhaust system complying with local regulations.

Personal Protection: Avoid skin and eye contact. Wear chemical goggles and chemical resistant gloves. Wear supplied air breathing apparatus in confined areas and when spraying.

Flammability: Avoid heat and sources of ignition. Prevent build-up of flammable vapours. Hoses should be electrically continuous and containers bonded to avoid static charge build-up.

SAFE HANDLING INFORMATION

Storage & Transport: Store in a cool and well-ventilated area away from heat and ignition sources. Avoid contact with strong oxidizing agents. Store only in original or approved containers. Containers should always be kept closed in storage and properly labelled. This material is classified as Dangerous Goods Class 3.1 and must be stored and transported in accordance with State and Territory dangerous goods regulations.

Spills & Disposal: Extinguish all ignition sources and ventilate area. For major spills, dam and recover. Prevent entry into drainage systems, rivers, etc. Collect with absorbent material such as sand, earth or sawdust. Ensure waste disposal conforms with local waste disposal regulations. After recovery and evaporation, remaining soil may be disposed of to approved landfill, or if approved, allowed to degrade insitu.

Fire/Explosion Hazard: Highly flammable liquid. Use foam, CO^2, powder or BCF fire extinguishers. Combustion products include oxides of carbon. Remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along vapour trail may occur.

OTHER INFORMATION

Toxicology

ACGIH currently lists “Chromates of lead” as “substances suspect of carcinogenic potential for man” – see appendix A2 of ACGIH TLV booklet.
Lead Chromate (pigment): LD50 oral, rat > 2000 mg/kg
Xylene: LD50 oral, rat 4300 mg/kg
Butanol: LD50 oral, rat 4400 mg/kg
Nitrocellulose: Ld50 oral, rat 5000 mg/kg

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