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MATERIAL SAFETY DATA SHEET

Product Name: **540 POLYURETHANE HARDENER**

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Date of Issue: **June 2004**

Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company Name: Lacnam Paints Australia
Address: 78-80 Mandoon Road, Girraween, NSW 2145
Telephone Number: (02) 9688-1999 (during business hours)
Emergency Number: (02) 9636-5505 (after hours)

IDENTIFICATION

Product Name: 540 Polyurethane Hardener
Other Names: Paint Hardener
Manufacturer's Product Code: 540
UN Number: 1866
Dangerous Goods Class & Subsidiary Risk: 3
Hazchem Code: 3[W]E
Poisons Schedule Number: 6
Use: Hardener for two-pack polyurethane

Physical Description/Properties

Appearance: Clear viscous liquid.
Boiling/Melting Point (°C): Approx. 145°C
Vapour Pressure: Not available
Specific Gravity: 1.07
Flashpoint (°C): 38°C
Flammability Limits (% by Volume): N/A
Solubility in Water: Not miscible

Other Properties

Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Aliphatic Isocyanates	4035-86-6	> 60%
Methoxy Propyl Acetate	108-65-6	< 15%
Toluene	108-88-3	< 25%

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HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed: May cause irritation to mouth, throat and digestive tract. Large dose may cause drowsiness and may lead to unconsciousness.

Acute - Eye: Irritating to the eyes.

Acute - Skin: Irritating to the skin. Has a degreasing action on the skin. Repeated or prolonged skin contact may lead to contact dermatitis.

Acute - Inhaled: Vapour may be irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and, if exposure is prolonged, unconsciousness. Harmful if inhaled.

Chronic: Repeated or prolonged exposure to this chemical could result in central nervous system disorders.

First Aid

Swallowed: Rinse mouth with water. Give water to drink. Do NOT induce vomiting. If vomiting occurs, place person's face downwards, head lower than hips, to prevent vomit entering lungs. Seek immediate medical advice.

Eye: Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

Skin: Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

Inhaled: If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist, obtain medical advice.

First Aid Facilities: Access to eye wash and safety shower.

Advice to Doctor

Treat symptomatically.



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PRECAUTIONS FOR USE

Exposure Standards: Exposure limit not specified by the National Health & Safety Commission (Worksafe Australia). Recommended exposure limit is 100 ppm, 8 hour time weighted average (T.W.A).

Engineering Controls: Ensure ventilation is adequate. When spraying, ensure product is applied in a fully functional spray-booth. Keep containers closed when not in use. Do not use near ignition sources.

Personal Protection: Avoid contact with skin and eyes. Wear suitable clothing such as impervious overalls, PVC or Neoprene gloves, safety goggles. Wear an air-fed mask or, for short periods of work, a combination of charcoal filter and particulate filter is recommended.

Flammability: Highly flammable. Avoid heat and sources of ignition. Container should be earthed when pouring.

SAFE HANDLING INFORMATION

Storage and Transport:

Keep containers closed when not in use. Store product in accordance with State or Territory Dangerous Goods regulations. Do not load on the same vehicle as Class 2.1, Class 2.3, Class 4.2, Class 5.1, Class 5.2 or Class 7.

Spills and Disposal:

Eliminate all sources of ignition. Wear full protective equipment. Contain and absorb using earth, sand or other inert material. Transfer into containers for disposal according to local regulations. Do not allow product to enter drains or water courses.

Fire/Explosion Hazard:

Use foam, dry chemical or carbon dioxide extinguishers. Water spray may be used to cool containers to prevent vapour pressure build up. Wear full protective equipment including self-contained breathing apparatus.

HAZCHEM CODE: 3[W]E

CONTACT POINT

Technical Manager	- Working hours	(02) 9688-1999
	- After hours	(02) 9636-5505

Although this information is presented in good faith and compiled from various sources believed to be accurate, Lacnam Paints make no representations or warranty as to the completeness or accuracy thereof. As the product's performance and suitability depends on various factors, the purchasers of our products should determine for themselves whether the product is suitable for their particular use.