



"Creating a Safe Environment for All Road Users"

MATERIAL SAFETY DATA SHEET

Issued By:	Dura Products Industries Pty Ltd	Issue Date:	Jan 2016
Product Name:	DPI Thermo Primer		

Classified as Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

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IDENTIFICATION:

Product Name: DPI Thermo Primer
 Application method: a) Brush.
 b) Roller.
 c) Airless Spray.
 UN Number: 1866 Resin Solution.

Hazchem: 3(Y)E
 DG Class: 3.2
 Packing Group: II

Product Use: DPI Thermo Primer is used as an intermediate coat between poor bituminous substrate / concrete surfaces and Thermoplastic pavement marking materials. This product is normally used in the open area before applying Thermoplastic pavement marking materials to the road surface.

Ingredients

Ingredients	Chemical Entity	CAS No.	Proportion %
	Toluene/Toluol	108-88-3	30-85% mass
	Resins (Synthetic Resins)	64742-16-1	15-70% mass

Physical Data

Appearance: Slightly turbid syrupy solution
All data provided from this point onwards is for the major component – Toluene/Toluol.
Resins are non-hazardous & normally are solids.

Boiling Point: 110 °C
 Flash Point: 6 °C
 Specific Gravity: 0.87
 Solubility in Water: negligible
 Soluble in most organic solvents.



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HEALTH HAZARD INFORMATION

Health Effects - Acute

Swallowed

Harmful if swallowed. Tends to break into foam if the patient vomits. Aspiration into the lungs may lead to chemical pneumonitis.

Eye

Mildly irritating to the eyes.

Skin

Mildly irritating to skin. Prolonged and repeated skin contact may cause dermatitis due to defatting effect.

Inhaled

Inhalation may cause irritation to the respiratory system. Prolonged exposure to vapours may cause somnolence and narcosis.

Health Effects - Chronic

No information available.

First Aid

INHALED:

Using proper respiratory protection, immediately remove the affected person from contaminated area & seek medical advice. If not breathing apply artificial respiration and seek medical advice. Keep at rest. Call for prompt medical attention.

SKIN :

Flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, and launder before reuse.

EYE :

Flush eyes with large amounts of water until irritation subsides. If irritation persists, seek medical attention.

SWALLOWED:

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

ADVICE TO DOCTOR:

Treat symptomatically based on individual reactions of patient and judgement of doctor.



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PRECAUTIONS FOR USE

Exposure Limits: TWA:100.00 ppm. 377mg/m³ STEL:150ppm. 565mg/m³
Eng Controls: Use in well ventilated area. Provide sufficient ventilation to keep airbourne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas and natural ventilation is inadequate a flame proof exhaust ventilation system is required.

Personal Protection

Avoid contact with the skin and eyes and avoid breathing vapours or mists. Use eye protection, PVC gloves, PVC apron and sleeves or full PVC covering, PVC or rubber boots, Also when concentration of vapour or mist is expected to approach the exposure limit then wear:

- 1) for short elevated exposures – use respiratory protection – if concentrations exceed exposure limit by more than 10 times then use air supplied breathing apparatus.
- 2) for prolonged elevated exposures – full face air supplied or self contained breathing apparatus should be worn.

Flammability

Fire Hazards: Highly flammable. Lower explosive limit: 1.2% volume in air.
Upper explosive limit: 7.1% volume in air.
Extinguishing Media: Foam, Dry Powder, CO₂

SAFE HANDLING INFORMATION

Storage and Transport:

Store in a well ventilated place away from sources of ignition, oxidizing agents, foodstuffs and clothing.

Keep containers closed when not in use.

Take precautions against static electricity discharges. Earth and bond all process equipment including tanks and drums.

Ensure adequate ventilation to prevent build-up of explosive atmosphere.

Spills: Clean up personnel should wear suitable protective equipment. Extinguish or removal sources of ignition and stop leak if safe to do so. Keep away from heat, naked flames and sparks. Do not allow product to enter drains sewers or water courses-inform local authorities if this occurs.

Contain spill with sand or earth and take up with a vacuum truck or absorb with absorbent material (sand or earth). Place used absorbent in suitable sealed containers for later disposal. Clean area with detergent and water.

Disposal:

Dispose according to all local state and federal regulations. Mix with a compatible chemical which is less combustibile and incinerate.



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Fire & Explosion Hazard

Fire / Explosion Highly flammable liquid Combustion products include oxides of carbon. Shut off leak if safe to do so and remove sources of reignition. Vapour/air mixtures may ignite explosively and flashback along the vapour trail may occur.

Extinguishing Media Fire-fighters should wear full protective clothing including self contained breathing apparatus. Use foam, carbon dioxide or powder to extinguish fire.

OTHER INFORMATION

Conditions to Avoid: Heat, sparks, flame and build up of static electricity.

Incompatibility: Strong oxidisers. Hazardous
(Materials to Avoid)

Decomposition Products:
Carbon Monoxide. Hazardous

Polymerization: Will not occur.

CONTACT POINT

Contact: For further information contact
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