

**CERAMIC TILE  
ADHESIVES  
& GROUTS**

**Dribond**

**WATERPROOFING PRODUCTS  
FOR CONCRETE AND MASONRY**

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**IDENTIFICATION**

Product Name: **Durathane Part A**

UN Number: 1993  
Dangerous Goods Class: 3.2  
Subsidiary Risk Class: Not Listed  
Hazchem Code: 3(Y)  
Packaging Group: III  
Poisons Schedule: 8

Use: Polyol component of a 2-pack Polyurethane coating

**Classified as hazardous according to criteria of Worksafe Australia.**

**Physical Description/Properties**

Appearance: Colourless mobile liquid, strong odour  
Boiling Point (°C) : Range 138 - 143  
Vapour Pressure(kPa): 1.0 @ 20°C  
Specific Gravity: 0.95 @ 15°C  
Flash Point(°C): 24 ABEL  
Flammability Limits: LEL: 1.0 UEL: 7.0  
Solubility in Water: Below 0.1% mass

<b>Ingredients</b>	<b>CAS No.</b>	<b>Proportion</b>
Xylene	1330-20-7	40 - 80 %
Ingredients determined non-hazardous		to 100%

**HEALTH HAZARD INFORMATION**

**Health Effects**

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

**Eye** - May be irritating to the eyes.

**Skin** - Irritant. Avoid prolonged or repeated contact as may cause dermatitis.

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

**First Aid**

**Swallowed** - If poisoning occurs, contact a doctor or Poisons information centre. If swallowed, do not induce vomiting. Give glass of water. If any suspicion of aspiration into lungs obtain medical advice immediately.

**Eye** - Irrigate with copious quantities of water. If soreness or redness persists, 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. Apply artificial respiration if not breathing.

#### **Advice to Doctors**

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

### **PRECAUTIONS FOR USE**

**Exposure Limits** - 100 ppm 8 hour time weighted average.

**Ventilation** - Avoid breathing vapour. Use in well ventilated area. Local exhaust ventilation usually required. Ensure ventilation is adequate to maintain air concentrations below exposure standards.

**Personal Protection** - Avoid eye and skin contact. Wear chemical goggles or face shield. Wear breathing apparatus in confined areas.

**Flammability** - Avoid heat and sources of ignition. Prevent build-up of flammable vapours.

### **SAFE HANDLING INFORMATION**

**Storage and Transport** - Avoid contact with strong oxidising agents. Store in cool well ventilated area away from heat and ignition sources. Containers should always be kept in storage properly labelled. Store only in original containers.

**Spills and Disposal** - Keep public away. Extinguish all ignition sources. For major spills, dam and recover. Prevent entry into drainage systems, rivers etc. Collect with absorbent material such as sand, earth or sawdust. Warn occupants downwind. Advise authorities. 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** - Flammable liquid. Combustion products include oxides of carbon. Use foam, CO<sub>2</sub>, dry powder fire extinguishers. Use water sprays to cool fire exposed surfaces and any adjacent storage vessels. Shut off source of product if it is safe to do so. Remove sources of re-ignition. Vapour/Air mixture may ignite explosively. Flashback along vapour trail may occur.

All information in this data sheet is as accurate and up-to-date as possible. Since Construction Chemicals cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Construction Chemicals will not be responsible for damages of any nature resulting from use of or reliance upon the information.

# CONSTRUCTION CHEMICALS

## CERAMIC TILE ADHESIVES & GROUTS

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## MATERIAL SAFETY DATA SHEET

Issued 23/5/2003  
Revised 01/07/2010  
Code Red

### IDENTIFICATION

Product Name: **Durethane Part B**

UN Number: 1866  
Dangerous Goods Class: 3  
Subsidiary Risk Class: Not Listed  
Hazchem Code: 3[Y]  
Packaging Group: III  
Poisons Schedule: S6

Use: Isocyanate polymer component of a 2-pack PUR coating

**Classified as hazardous according to criteria of Worksafe Australia.**

### Physical Description/Properties

Appearance: Clear slightly viscous liquid with solvent odour  
Boiling Point (°C): 140 (Solvent)  
Vapour Pressure(kPa): 0.80 kPa @ 20°C (Solvent)  
Specific Gravity: 0.93 – 0.97  
Flash Point(°C): 26°C  
Flammability Limits: LEL 1.10% v/v (Solvent) UEL 7.70% v/v (Solvent)  
Solubility in Water: Immiscible

### Ingredients

Ingredients	CAS No.	Proportion
Xylene (mixed isomers)	1330-20-7	55-65 %
1,6 Hexamethylene Diisocyanate resin	Proprietary	35-45 %
Toluene-2,4-diisocyanate	584-84-9	0-0.99%
Ethyl benzene	100-41-4	1-1.5%
1-methoxy-2-propylacetate	108-65-6	5-6%

### HEALTH HAZARD INFORMATION

#### Health Effects

**Acute - Swallowed** – Harmful if swallowed. Swallowing may result in nausea, vomiting and central nervous system depression. If the victim is uncoordinated, there is a great chance of vomit entering the lungs and causing subsequent complications.

**Acute - Eye** – May be an eye irritant.

**Acute - Skin** – Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Acute - Inhaled** – Vapour may be irritant to mucous membranes and respiratory tract. Inhalation of vapour may 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 judgment and if exposure is prolonged, unconsciousness.

**Chronic** – Evidence indicates that repeated or prolonged exposure to this material may 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 victim face downwards, head lower than hips, to prevent vomit entering lungs. Seek medical assistance.

**Eye** – Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination, it is advisable to seek medical assistance.

**Skin** - Remove contaminated clothing. Wash affected skin areas with soap and water. Do not use solvents. If irritation occurs, seek medical advice

**Inhalation** - Remove to fresh air. Remove contaminated clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing is laboured and patient is cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a face mask. If breathing has stopped, apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek medical assistance.

**Advice to Doctors** Treat symptomatically and as for exposure to aromatic hydrocarbon solvents. Aspiration can result in pulmonary edema. This product does contain free diisocyanate which can aggravate dermatitis and asthmatic conditions.

#### PRECAUTIONS FOR USE

**Exposure Limits** – Xylene (mixed isomers) TWA 350mg/m<sup>3</sup> (80ppm)

**Ventilation** - Avoid breathing vapour. Use in well ventilated area to ensure air concentrations are below exposure standards. Vapour is heavier than air so prevent concentration in hollows.

**Personal Protection** - Avoid prolonged contact with skin and eyes. Protective goggles, protective gloves (PVC/Rubber/Butyl Rubber/Nitrile Rubber) and protective clothing which all comply with relevant Australian Standards must be worn. Always wash hands before smoking, eating, drinking or using the toilet. If prolonged exposure is anticipated or susceptible to breathing disorders wear mask conforming to AS1716.

**Flammability** –Product is flammable – flameproof equipment is essential in areas where the material is to be used. Isolate from sources of heat, naked flames, sparks and oxidising materials. Take precautions against discharges of static electricity.

#### SAFE HANDLING INFORMATION

**Storage and Transport** – Store in a well ventilated area away from sources of heat or ignition. Store away from oxidising agents and foodstuffs. Keep containers closed when not in use. Check regularly for leaks. This material is a scheduled (S6) and must be stored, maintained and used in accordance with the relevant regulations.

Product is classified as a dangerous good. Transportation should be according to relevant Land, Sea and/or Air transport regulations.

**Spills and Disposal** – Contain – prevent contamination of drains and waterways with either product or cleaning materials. Shut off all sources of ignition. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Use absorbent (soil, sand or inert material such as vermiculite). Collect and seal in properly labeled containers for disposal. For disposal refer to appropriate state land waste management authority. Advise flammable nature of waste. Normally suitable for incineration, by approved agent.

**Fire/Explosion Hazard** – Flammable liquid. Containers may rupture in heat of fire. vapour's may travel a considerable distance to source of ignition and flash back. Combustion products include oxides of carbon. Fire fighters should wear self contained breathing apparatus if at risk of exposure to vapour's or products of combustion. Water spray may be used to cool fire exposed surfaces. Extinguishing media use foam, carbon dioxide or dry chemical powder.

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