

MATERIAL SAFETY DATA SHEET



DEGACOTE C4 CONCRETE SEALER

STATEMENT OF HAZARDOUS NATURE:

Hazardous substance according to criteria of Worksafe Australia

DATE OF ISSUE JUNE 1995

TCP PTY LTD ABN 41 006 584 498

IDENTIFICATION

Revision: August 2002

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PRODUCT NAME DEGACOTE C4 CONCRETE SEALER

Other Names	None	Manufacturers Code	None
U.N. Number	1866	Dangerous Goods Class	3 (Y)
Subsidiary Risk	None	Packaging Group	III
Hazchem Code	3 (Y)	Poison Schedule	5

USE

As a base coat, either unpigmented or pigmented it provides a tough, waterproof, flexible aggregate holding coat for skid resistant surfaces on concrete and bitumen roadways, bridge decks, ramps and factory floors.

PHYSICAL DESCRIPTION/ PROPERTIES		OTHER PROPERTIES	
Appearance	Clear or coloured liquid	Shock Sensitivity	Not Shock Sensitive
Boiling Point	138 ⁰ C	Corrosiveness	Non Corrosive
Vapour Pressure	48mm Hg at 20 ⁰ C	Oxidising Properties	None
Specific Gravity	.9 Approximately	Reactivity	
Flash Point	< 20 ⁰ C (closed cup)	Auto Ignition Temperature	> 200 ⁰ C
Flammable Limits	1% - 10% by V	Evaporation Rate	0.21
Solubility in Water	Not Soluble	Odour Threshold	100 P.P.M. T.W.A.
		PH Value	Not Known
		% Volatiles	70%
		Bulk Density	Not Applicable

INGREDIENTS

CHEMICAL ENTITY	CAS NO	PROPORTION
Xylene	1330 - 20 - 7	High
Acrylate / Methacrylate (Polymer)		Medium
Oxide Coloured Pigments		Medium

PROPORTION - % WEIGHT

VERY LOW < 1

LOW 1 - 9

MEDIUM 10 - 35

HIGH 36 - 65

VERY HIGH > 65

M.S.D.S. DEGACOTE C4 CONCRETE SEALER

HEALTH HAZARD INFORMATION

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HEALTH EFFECTS

The following information applies to the Xylene Component, which is considered to be the main Health Hazard.

Acute

- Swallowed** Low order of toxicity. Acute oral LD50 of Xylene in rats 4300mg / kg. However, small amounts of liquid or foam aspirated into the respiratory system during ingestion or vomiting may cause mild to severe lung injury, possibly death.
- Eye** Liquid and vapour are moderately to severely irritating to the eyes.
- Skin** Moderately irritating to the skin. Can dry it out and may cause dermatitis.
- Inhaled** Irritation of respiratory tract. Anaesthetic. Depression of the central nervous system with the following progressive steps: headache, nausea, dizziness, stagger gait, confusion, unconsciousness. Inhalation LC50 / 4hr of Xylene in rats, 500ppm.
- Chronic** May cause respiratory irritation, liver or kidney damage. May cause irritant dermatitis on prolonged or repeated skin contact. Permanent central nervous system and blood changes can occur due to high solvent exposure over time.
- Respiratory allergies and diseases of the skin, nose, throat, lungs, liver, kidney and blood may be aggravated by exposure to the product or its vapours.

FIRST AID

- Swallowed** **DO NOT INDUCE VOMITING.** Immediately give plenty of fresh water or milk and seek medical attention.
- Eye** Immediately hold eyes open and flush with water continuously for at least 15 minutes. Seek medical attention.
- Skin** Remove all contaminated clothing and wash affected area with plenty of soap and water.
- Inhaled** Remove from further exposure and apply artificial respiration if not breathing. Seek medical attention.

FIRST AID FACILITIES Ample, clean, fresh water for washing of eyes and skin should be available at point of product usage. If irritation continues after washing, seek medical advice.

ADVISE TO DOCTOR Treat symptomatically.

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PRECAUTIONS FOR USE

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- Exposure Standards** The National Occupational Health and Safety Commission (Worksafe Australia) Exposure Standard for Xylene is: 8 hour Time Weighted Average (TWA) 80ppm; Short Term Exposure Limit (STEL), 150ppm.
- Engineering Controls** Use in a well ventilated area. A suitable respiratory device should be worn if vapour generation cannot be controlled below the Exposure Standard using positive ventilation. Local exhaust ventilation, is recommended, preferably a paint spray booth, for spraying operations. Vapour is heavier than air and can collect in hollows and confined spaces.
- Personal Protection** Contact should be avoided. Protective clothing, PVC or rubber gloves and close fitting goggles or face shield should be worn. Respirator suitable for use with organic vapours.
- Flammability** The product is flammable and may be ignited at temperatures above its flash point by sources of ignition such as flames, sparks, etc. Handle in a flameproof area using flameproof equipment. Earth all containers to avoid sparks from static electricity. Do not cut, weld, drill or expose empty drums to ignition sources as the residual vapour in them can explode.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

- Storage** Store in a cool, dry, bunded area away from alkalis, acid, poisons, foodstuffs and empty foodstuff receptacles and oxidising agents.
- Storage should be as for Flammable Liquid (Refer AS 1940) and appropriate Dangerous Goods Regulations.
- Transport** The product is classified as a Dangerous Good, as defined by the Australian Code for the transport of dangerous goods by road and rail. Dangerous Goods Class 3.1, Packaging Group III, Emergency Procedure Guide 3A1.

SPILLS AND DISPOSAL

- Spills** Wear the personal protection measures outlined above when dealing with spills. Ventilate the spill area, contain the spill with sand or sawdust, scrape up spilled material and place in steel containers. Wash down area of spill with detergent and plenty of water.
- Disposal** Dispose of at an approved Hazardous Waste Disposal Site.

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SAFE HANDLING INFORMATION *continued.*

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FIRE / EXPLOSION HAZARDS

Hazards	The product is flammable and presents a fire hazard.		
Hazchem Code	3 (Y)		
Health Hazard	2 <i>US NFPA Hazards Classification</i>	Flammability	3 <i>US NFPA Hazards Classification</i>
Reactivity	2 <i>US NFPA Hazards Classification</i>	Flash Point	< 20 ⁰ C (closed cup)
Ignition Temperature	> 200 ⁰ C		
Personal Protection	Fire fighters should wear typical protective equipment, self contained breathing apparatus if there is a risk of exposure to hazardous decomposition or combustion products.		
Extinguishing Media	If product is on fire, use foam, dry chemical or Carbon Dioxide extinguisher. DO NOT USE WATER JET.		
Reactivity	Polymerisation may occur on exposure to heat and oxidisers.		
Special Precautions	Containers may explode in fire or when heated. Cool containers exposed to fire risk with water spray.		
Special Fire / Explosion Hazard	Product is flammable. Will emit noxious fumes containing Carbon Monoxide on burning.		
Other Information	Containers may retain hazardous residues when emptied and may form explosive mixtures in air. Containers should be commercially cleaned before reuse.		

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This Material Safety Data Sheet has been produced, following the principles and recommendations outlined in the Worksafe Australia National Code of Practice for the preparation of Material Safety Data Sheets (NOHSC 2011) March 1994.

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