

Material Safety Data Sheet

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Infosafe No™ LQ0CY Issue Date : August 2011 ISSUED by CEMENT

Product Name **CALCURE CR**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name CALCURE CR
Company Name Cementaid (QLD) Pty. Ltd (ABN 71 009 716 018)
Address 1/86 Boyland Avenue
Coopers Plains 4108
Emergency Tel. (07) 3276 7388
Fax Number Fax: (07) 3276 7399

Recommended Use A curing membrane for fresh concrete.

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s)
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.

Safety Phrase(s)
S1/2 Keep locked up and out of reach of children.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe gas/fumes/vapour/spray
S24 Avoid contact with skin.
S28 After contact with skin, wash immediately with plenty of water
S36/37 Wear suitable protective clothing and gloves.
S9 Keep container in a well ventilated place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Xylene	1330-20-7	50-70 %
	Ingredients determined not to be hazardous	-	Balance

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin Remove contaminated clothing. Wash affected area thoroughly with soap and water. Wash contaminated clothing before re-use or discard. Seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

First Aid Facilities Eyewash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Foam, carbon dioxide or dry chemical.

Hazards from Combustion Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

Products Specific Hazards Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

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Product Name **CALCURE CR****Hazchem Code** •3Y**Precautions in connection with Fire** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.**Unsuitable Extinguishing Media** Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with adequate ventilation. Use approved flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers closed when not in use. Take precautionary measures against static discharges. Keep material away from sparks, flames and other ignition sources. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia. However, the available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Xylene	80	350	150	655	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values Biological Exposure Indices BEI from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	Biological Exposure
Indice (BEI)		
XYLENE [1330-20-7]		
Methylhippuric acids in urine	End of shift shift of work week	1.5g/g creatinine

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Engineering Controls	Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless, straw coloured liquid
Odour	Not available
Melting Point	Not applicable
Boiling Point	138-144°C
Solubility in Water	Xylene is practically insoluble in water.
Specific Gravity	0.9
pH Value	Not available
Vapour Pressure	7.9-9 mmHg at 25°C (Xylene)
Vapour Density (Air=1)	Not available
Flash Point	24°C (closed cup)
Flammability	Flammable
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	0.6 %w/w
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal storage conditions of storage and handling.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Oxidising agents
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Hazardous Reactions	May react with incompatibles.
Hazardous Polymerization	Will not occur

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11. TOXICOLOGICAL INFORMATION

Toxicology Information	Toxicity data available, listed below.
Inhalation	Harmful by inhalation. Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Symptoms may include coughing, wheezing and shortness of breath. Inhalation of high vapour concentrations can lead to headache, dizziness, nausea, vomiting, drowsiness, loss of consciousness and other central nervous system effects, possibly leading to death.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Harmful in contact with skin. Irritating to skin resulting in redness and itching.
Eye	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Chronic Effects	Repeated or prolonged exposure to this material can lead to skin irritation leading to dermatitis, liver and kidney damage, central nervous system depression, characterised by excitement, headache, dizziness, drowsiness and nausea.
Acute Toxicity - Oral	Acute toxicity data for xylene as published by RTECS (Registry of Toxic Effects of Chemical Substances): LD50 (Oral, Rat): 4,300 mg/kg
Acute Toxicity - Dermal	Acute toxicity data for xylene as published by RTECS (Registry of Toxic Effects of Chemical Substances): LD50 (Dermal, Rabbit): > 1,700 mg/kg
Acute Toxicity - Inhalation	Acute toxicity data for xylene as published by RTECS (Registry of Toxic Effects of Chemical Substances): LC50 (Inhalation, Rat): 5,000 ppm/4h

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data available for this material.
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Disposal of spilled or waste material must be carried out in accordance with the relevant local and national government regulations. Advise flammable nature. Empty containers may contain flammable residues. Do not puncture, cut or weld empty containers.
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14. TRANSPORT INFORMATION

Transport Information	This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Class 3 - Flammable Liquids are incompatible in a placard load with any of the following: - Class 1, Explosives - Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.) - Division 2.3, Toxic Gases - Division 4.2 Spontaneously Combustible Substances - Division 5.1 Oxidising Agents and Division 5.2, Organic Peroxides - Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane) - Class 7 Radioactive Substances.
U.N. Number	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. - (Contains Xylene)

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DG Class 3
Hazchem Code •3Y
Packing Group III
EPG Number 3A1
IERG Number 14

15. REGULATORY INFORMATION

Regulatory Information Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule S6

Hazard Category Harmful, Irritant

AICS (Australia) The listed chemicals are included in Australian Inventory of Chemical Substances (AICS) or otherwise notified under NICNAS.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Created: August 2011

Contact Person/Point Emergency Telephone: (02) 9810 0725
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