

# Material Safety Data Sheet

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Infosafe No™ LPYLG Issue Date : November 2009 ISSUED by ONCRETEA

Product Name **CONCRETE SEALER 24**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** CONCRETE SEALER 24  
**Company Name** ON-CRETE AUSTRALIA PTY LTD  
**Address** 4/489 SCOTTSDALE DRIVE, VARSITY LAKES  
QUEENSLAND 4227 Australia  
**Emergency Tel.** (07) 5593 6884  
**Telephone/Fax Number** Tel: (07) 5593 6884  
Fax: (07) 5593 6885  
**Email** sales@on-crete.com.au  
**Recommended Use** Glaze for cement based products.  
**Other Information** Web: www.on-crete.com.au

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Australia:  
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.  
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
New Zealand:  
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.  
Classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.  
HSNO Classification:  
3.1C - Flammable Liquid: Medium Hazard.  
6.1D - Substance that is acutely toxic.  
6.3A - Substance that is irritating to the skin.  
6.4A - Substance that is irritating to the eye.  
6.8B - Substance that is a suspected human reproductive or developmental toxicant.  
6.9B - Substance that is harmful to human target organs or systems.  
9.1C - Substance that is harmful in the aquatic environment.  
9.3C - Substance that is harmful to terrestrial vertebrates.

Hazard statement codes:  
H226 Flammable liquid and vapour.  
H312 Harmful in contact with skin.  
H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H320 Causes eye irritation.  
H361 Suspected of damaging fertility or the unborn child.  
H371 May cause damage to organs.  
H412 Harmful to aquatic life with long lasting effects.  
H433 Harmful to terrestrial vertebrates.

Precautionary statement codes- prevention:  
P102 Keep out of reach of children.  
P104 Read Safety Data Sheet before use.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.

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P273 Avoid release to the environment. - This statement does not apply where this is the intended use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

Precautionary statement codes- Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P303+P361+P353 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P309+P311 If exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.

P312 Call a POISON CENTRE or doctor/physician if you feel unwell.

P331 Do NOT induce vomiting.

P362 Take off contaminated clothing and wash before re-use.

P370+P378 In case of fire: Use foam, carbon dioxide or dry chemical.

Precautionary statement codes - Storage:

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Precautionary statement codes - Disposal:

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R37/38 Irritating to respiratory system and skin.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Risk Phrase(s)

## Safety Phrase(s)

S23(2) Do not breathe vapour.

S23(3) Do not breathe spray.

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S38 If insufficient ventilation, wear suitable respiratory equipment.

S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Xylene	1330-20-7	30-60 %
	Acrylic copolymer resin	Proprietary	20-50 %
	Solvent naphtha (petroleum), light aromatic	64742-95-6	10-<25 %
	Other ingredients determined not to be hazardous		To 100%

## 4. FIRST AID MEASURES

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

**Ingestion** If swallowed, do NOT induce vomiting. Wash mouth thoroughly with water. Seek immediate medical attention.

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**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, 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 off completely. Seek medical attention.

**First Aid Facilities** Eye wash station 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; New Zealand 0800 764 766) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Water fog or water spray, foam, carbon dioxide or dry chemical powder.

**Hazards from Combustion Products** Combustion products may include carbon monoxide and carbon dioxide.

**Specific Hazards** Flammable liquid. Vapour/air mixtures may ignite explosively. Precautions should be taken to eliminate the build up of explosive mixtures. Flashback along the vapour trail may occur. Runoff to sewer may create fire hazard. Heating can cause expansion or decomposition leading to violent rupture of containers.

**Hazchem Code** 3[Y]

**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Use water spray to cool storage containers and tanks, pipelines and fire-exposed surfaces.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Eliminate all sources of ignition and ventilate the area. Clear area of all unprotected personnel. Slippery when spilled. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye exposure and inhalation of vapours. If possible contain the spill. Collect the material and place into suitable labelled containers for subsequent recycling or disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Keep containers closed when not in use. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Maintain a high level of personal hygiene when using the product, that is, always wash hands after handling, and 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, foodstuffs, clothing and out of direct sunlight. 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. 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 Local, State and Federal regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure value assigned for this specific material by the Australian National Occupational Health and Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

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

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

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Xylene	50	217	-	-	-

In addition the manufacturer recommends TWA 100 mg/m<sup>3</sup> for solvent naphtha.

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.

No biological limit allocated.

## Biological Limit Values

## 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 local exhaust ventilation system is required.

## 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 laminated film, nitrile or other suitable gloves conforming to AS/NZS 2161: Occupational protective gloves.

## Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Clear, viscous liquid with an aromatic hydrocarbon odour.

**Odour** Aromatic hydrocarbon odour.

**Melting Point** Not available

**Boiling Point** 137-143°C (for Xylene)

**Solubility in Water** Insoluble

**Specific Gravity** 0.91-0.93

**Vapour Pressure** 5.2 kPa at 38°C (for Xylene)

**Vapour Density (Air=1)** 3.7 (Air=1) (for Xylene)

**Evaporation Rate** 0.70 (n-Butyl acetate=1) (for Xylene)

**Flash Point** 27°C (Tag Closed Cup)

**Flammability** Flammable liquid.

**Auto-Ignition Temperature** Not available

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**Flammable Limits - Lower** 1.1% (for Xylene)  
**Flammable Limits - Upper** 7.7% (for Xylene)

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions of storage and handling.

**Incompatible Materials** Strong oxidising agents and halogens.

**Hazardous Decomposition Products** Carbon monoxide and carbon dioxide.

**Hazardous Reactions** Hazardous reaction with strong oxidising agents and halogens.

**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** No toxicity data are available for this specific product. The available data for the ingredients are as follows:  
For Xylene:  
LD50 (Oral, Rat): 4,300 mg/kg  
LD50 (Dermal, Rabbit): 4,500 mg/kg  
LC50 (Inhalation, Rat): 5,000 ppm/4h

**Inhalation** Harmful by inhalation. Irritating to respiratory system. Symptoms may include nausea, loss of coordination, central nervous system depression, drowsiness, dizziness and collapse.

**Ingestion** Ingestion may cause nausea, vomiting and CNS depression with symptoms including drowsiness, dizziness, weakness, fatigue, headache, confusion and possible unconsciousness. Aspiration of liquid into lungs during swallowing or vomiting may cause severe lung injury.

**Skin** Harmful in contact with skin. Irritating to skin. Symptoms may include redness and itchiness. Repeated exposure may cause skin dryness and cracking, and may lead to dermatitis.

**Eye** May cause irritation to eyes. Symptoms may include redness, tearing, stinging and swelling.

**Chronic Effects** Prolonged or repeated skin contact may cause defatting leading to drying and cracking of skin and dermatitis. Prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches. Chronic exposure may have adverse effects on the central nervous system, liver and kidneys.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability** Not available

**Mobility** Not available

**Bioaccumulative Potential** Not available

**Environ. Protection** Do not allow product to enter drains, waterways or sewers.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** Australia:  
This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.  
Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

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- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

New Zealand:

This material is classified as a Class 3 - Flammable Liquid according to NZS 5433:2007 Transport of Dangerous Goods on Land.

It must not be loaded in the same freight container or on the same vehicle with:

- (Class 1) Explosives
- (Class 2.1) Flammable gases
- (Class 2.3) Toxic gases
- (Class 4.2) Spontaneously combustible substances
- (Class 5.1) Oxidising substances
- (Class 5.2) Organic peroxides or
- (Class 7) Radioactive materials unless specifically exempted.

It must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:

- (Class 4.3) Dangerous when wet substances
- Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:
- (Class 4.2) Spontaneously combustible substances
  - (Class 4.3) Dangerous when wet substances
  - (Class 5.1) Oxidising substances
  - (Class 5.2) Organic peroxides

U.N. Number

1866

Proper Shipping Name

RESIN SOLUTION

DG Class

3

Hazchem Code

3[Y]

Packaging Method

3.8.3RT1,RT7

Packing Group

III

EPG Number

3A1

IERG Number

14

## 15. REGULATORY INFORMATION

Regulatory Information

Australia:  
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.  
Classified as a Scheduled Poison S6 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule

S6

National and or International Regulatory Information

New Zealand:  
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.  
Group Standard:  
Surface Coatings and Colourants (Flammable) Group Standard 2006  
HSNO Approval Number: HSR002662.

Hazard Category

Harmful, Irritant

## 16. OTHER INFORMATION

Date of preparation or last revision of MSDS

MSDS Created: November 2009

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