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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** CONCRETE SEALER SV28  
**Trade Name:** CONCRETE SEALER SV28  
**Recommended Use:** Surface Coating  
**Revision Date:** 18 July 2011  
**Company Name:** **On-Crete Australia Pty Ltd**  
**Address:** 4 / 489 Scottsdale Drive  
Varsity Lakes, Qld, Australia 4227  
**Telephone:** (07) 5593 6884  
**Fax:** (07) 5593 6885  
**Emergency Contact:** (07) 5593 6884  
**Other Information:** [www.on-crete.com.au](http://www.on-crete.com.au)

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## 2. HAZARDS IDENTIFICATION

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**Hazard Classification** Australia:  
Classified as Hazardous according to criteria of National Occupational Health and 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 HSNO Classification:  
3.1C – Flammable Liquid: Medium Hazard.  
6.1D – Substance this is moderate 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  
9.1B – Substance that is ecotoxic in the aquatic environment.  
9.3C – Substance this is harmful to terrestrial vertebrates

Hazard statement code:  
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.  
H411 Toxic to aquatic life with long lasting effects  
H433 Harmful to terrestrial vertebrates  
Precautionary statement codes – prevention:

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- 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.
- 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
- 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.
- 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.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before re-use.
- P370+P378 In case of fire: Use foam, carbon dioxide or dry chemical.
- P391 Collect spillage.

#### 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.

#### Risk Phrase(s)

- R10 Flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R37/38 Irritating to respiratory system and skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety Phrase(s)

- S23 (2) Do not breathe vapour.
- S23 (3) Do not breathe spray.

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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.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Xylene	1330-200-7	30-60%
	Solvent naphtha (petroleum), light aromatic	64742-95-6	10-30%
	Disobutyl Ketone	108-83-8	0-1%
	Ingredients determined not to be hazardous		Balance

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## 4. FIRST AID MEASURES

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<b>Inhalation:</b>	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Wash mouth thoroughly with water. Seek medical attention.
<b>Skin:</b>	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. Seek medical attention.
<b>Eyes:</b>	If in eyes, hold eyelids apart and flush the eyes immediately with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.
<b>First Aid Facilities:</b>	Eye wash station and normal washroom facilities.
<b>Advice to Doctor:</b>	Treat symptomatically.
<b>Other Information:</b>	For advice, contact a Poisons Information Centre (Phone Australia) 13 1126; New Zealand 0800 764 766) or a doctor at once.

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## 5. FIRE FIGHTING MEASURES

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<b>Suitable Extinguishing Media</b>	Use foam, carbon dioxide or dry chemical to extinguish fire.
<b>Hazards from Combustion Products:</b>	Combustion products include carbon monoxide and carbon dioxide.
<b>Special Hazards:</b>	This product is flammable. Keep storage tanks, pipelines, fire-exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
<b>Hazchem Code:</b>	3 [Y]
<b>Precautions in connection with fire:</b>	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

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## 6. ACCIDENTAL RELEASE MEASURES

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

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## 7. HANDLING AND STORAGE

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**Precautions for Safe Handling:** Do not breathe vapour or spray. Use only in a well ventilated area. Prevent build up of mists or vapours in the working atmosphere. Do not use near welding or other ignition sources. Wear suitable protective clothing, gloves and eye/face protection. Maintain high standards of personal hygiene ie. wash hands after handling this material, and prior to eating, drinking, smoking or using toilet facilities.

**Conditions for Safe Storage:** Store in a cool, dry, well ventilated area away from sources of ignition, oxidizing 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.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**National Exposure Standards:** No 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:

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

<u>Substance</u>	<u>TWA</u>		<u>STEL</u>	
	ppm	mg/m3	ppm	mg/m3
Xylene	80	350	150	655
Disobutyl Ketone	25	145	-	-

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

<u>Substance</u>	<u>TWA</u>		<u>STEL</u>	
	ppm	mg/m3	ppm	mg/m3
Xylene	50	217	-	-
Disobutyl Ketone	25	145	-	-

**Biological Limit:** No biological limit allocated

**Other Exposure Information:** As published by the National Occupational Health and Safety Commission (NOHSC) and the New Zealand Occupational Safety and Health Service (OSH):

TWA – the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

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

**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 in is inadequate, a 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

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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:** Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Slightly haze viscous liquid with an aromatic hydrocarbon odour
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	124-145°C *
<b>Solubility in Water:</b>	Insoluble
<b>Specific Gravity</b>	0.91-0.93
<b>pH Value:</b>	Not applicable
<b>Vapour Pressure:</b>	5.2kPa at 38° C *
<b>Vapour Density</b> (Air=1):	Not available
<b>Evaporation rate:</b>	Not available
<b>Viscosity</b>	38 seconds B4 Cup
<b>Volatile Component</b>	73-74% by weight
<b>Flash Point</b>	30°C
<b>Flammability</b>	FLAMMABLE. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Electrically link and ground metal containers for transfers of the product to prevent accumulation of static electricity. Keep the container tightly closed.
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits – Lower</b>	1.1%
<b>Flammable Limits – Upper</b>	7.7%
<b>Other Information</b>	*Xylene

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability:</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Heat, direct sunlight, open flames or other sources of ignition.
<b>Incompatible</b>	Strong oxidizing agents
<b>Materials:</b>	
<b>Hazardous Decomposition</b>	Thermal decomposition and combustion produce noxious fumes containing oxides of carbon.
<b>Products:</b>	
<b>Hazardous Polymerization:</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology:</b>	No toxicity data are available for this specific product. The available data for the ingredients are as follows: For Xylene: LD50 (Oral, Rat): 4300 mg/kg LC50 (Inhalation, Rat): 5000 ppm/4h
<b>Inhalation:</b>	Harmful by inhalation. Irritating to skin resulting in redness and itching. Symptoms may include adverse effects on the central nervous system, nausea, loss of coordination,

<b>Ingestion:</b>	drowsiness, dizziness and collapse. May cause irritation of the gastrointestinal system. Symptoms may include central nervous system depression, severe abdominal pain, nausea and vomiting that may lead to pulmonary edema. Subsequent to ingestion or vomiting, small amounts of liquid aspirated into the respiratory system may cause severe pulmonary injury that may lead to death.
<b>Skin:</b>	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.
<b>Eye:</b>	May cause irritation to eyes. Symptoms may include redness, tearing, stinging and swelling.
<b>Chronic Effects:</b>	Prolonged or repeated exposure to xylene may have adverse effects on the central nervous system and cause damage to kidneys and liver.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity:</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Persistence/Degradability:</b>	Not available.
<b>Mobility:</b>	Not available.
<b>Bioaccumulative Potential:</b>	Not available.
<b>Environ. Protection:</b>	Do not allow product to enter drains, waterways or sewers.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations:</b>	Disposal of the spilled or waste product must be done in accordance with applicable local and national regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information:</b>	<p>Australia:</p> <p>This material is a Class 3 – Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>Class 3 – Flammable Liquids are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"><li>- Class 1, Explosives</li><li>- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk.</li><li>- Class 2.3, Toxic Gases</li><li>- Class 4.2, Spontaneously Combustible Substances</li><li>- Class 5.1, Oxidising Agents and Class 5.2, Organic Peroxides</li><li>- Class 6, Toxic Substances (where the flammable liquid is nitromethane)</li><li>- Class 7, Radioactive Substances.</li></ul> <p>New Zealand:</p> <p>This material is classified as a Class 3 – Flammable Liquid according to NZS 5433:1999 Transport of Dangerous Goods on Land.</p> <p>It must not be loaded in the same freight container or on the same vehicle with:</p> <ul style="list-style-type: none"><li>- (Class 1) Explosives</li><li>- (Class 2.1) Flammable gases</li><li>- (Class 2.3) Toxic gases</li><li>- (Class 4.2) Spontaneously combustible substances</li><li>- (Class 5.1) Oxidising substances</li><li>- (Class 5.2) Organic peroxides or</li><li>- (Class 7) Radioactive materials unless specifically exempted.</li></ul> <p>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:</p> <ul style="list-style-type: none"><li>- (Class 4.3) Dangerous when wet substances</li></ul> <p>Goods of packing group II and III may be loaded in the same freight container or on the same</p>
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# Material Safety Data Sheet

- 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

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## 15. REGULATION INFORMATION

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**Regulatory Information:** Australian:  
Classified as Hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC), Australia.  
Classified as a Scheduled Poison S5 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

**Regulatory Information Continued:**

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## 16. OTHER INFORMATION

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**Compiled by:**  
**Chemisys Australia Pty Ltd**

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