

# Material Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** E-SEAL

**Trade Name:** E-SEAL, Penetrating Concrete Sealer, Potassium Concrete Densifier

**Recommended Use:** To increase surface strength, combat freeze damage and limit penetration of stains to concrete.

**Revision Date:** 1 March 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:** In the event of emergency human exposure contact the Poisons Information Centre  
**Ph: 131136**

**Other Information:** [www.on-crete.com.au](http://www.on-crete.com.au)

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## 2. HAZARDS IDENTIFICATION

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### HAZARDOUS ACCORDING TO THE CRITERIA OF NOHSC

#### Potential Health Effects

**Eye** Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin** Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage.

**Swallowing** Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

**Inhalation** Breathing of vapor or mist is possible.

**Symptoms of Exposure** Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: irritation (nose, throat, airways).

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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<u>Chemical</u>	<u>CAS Number</u>	<u>Proportion (w/w)</u>	<u>EU Classification</u>
Proprietary Catalyzed potassium	[Proprietary]		

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## 4. FIRST AID MEASURES

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<b>Eyes:</b>	Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention as soon as possible if symptoms persist.
<b>Ingestion:</b>	DO NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Seek medical attention IMMEDIATELY. NEVER induce vomiting or give anything by mouth to an unconscious patient.
<b>Inhalation:</b>	Move victim to fresh air. Persons administering first aid to overexposure victims should carefully wash off any visible product from the victims face. Do not give anything by mouth to an unconscious person. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult administer oxygen. Seek medical attention if ill effects persist.
<b>Skin:</b>	Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash clothing and contaminated footwear before reuse. Seek medical attention if irritation persists.
<b>ADVICE TO DOCTOR:</b>	Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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<b>Extinguisher Media:</b>	On large fires use dry chemical, foam or water spray. On small fires use CO <sub>2</sub> , dry chemical or water spray.
<b>Special Protective Equipment:</b>	Self contained breathing apparatus and protective clothing should be worn.
<b>Hazardous Polymerisation:</b>	Will not occur. Material can splatter above 100 degrees Celsius. Dried product can burn.
<b>Hazardous Decomposition Products:</b>	Under fire conditions, alkaline fumes and silica are emitted
<b>Stability:</b>	Stable.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Steps to be taken if material is released or spilled:**

Wear appropriate protective clothing. Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Collect free liquid into a recovery vessel. Absorb remainder with sand or clay and place in a properly labeled waste receptacle. Follow all government and local body regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes and other bodies of water.

**Container Disposal:**

DO NOT reuse container. Dispose of safely.

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## 7. HANDLING AND STORAGE

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<b>Handling &amp; Storage:</b>	Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practices. Wash hands thoroughly after contact. Wear protective clothing when risk of exposure occurs. Do not breathe vapours mist or gas.
<b>Storage:</b>	Store in a cool, dry place out of reach of children, and away from oxidizing substances. Keep from freezing – product stability may be affected. Stir well before use.
<b>Storage Temp Recommended:</b>	Store at 1-49 degrees Celsius
<b>Packaging:</b>	Polyethylene, PVC, PE lined mild or stainless steel.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Exposure Controls:** No exposure standards have been established for this material by NOHSC.

**Biological Limit:** No biological limit allocated.

**Ventilation Requirements:**

Good industrial hygiene practice dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation, if risk of overexposure occurs

**Respiratory Protection:**

None normally required if good ventilation is maintained. If mist is generated during application process, an approved mist respirator with organic vapour filters must be used. Reference should be made to AS/NZS 1715 and AS/NZS 1716 Use and Maintenance of Respiratory Protective Devices for individual circumstances.

**Eye Protection:**

Eye contact must be avoided. Safety goggles with side shield or a face visor should be worn.

**Skin Protection:**

Skin contact must be avoided and good personal hygiene practices observed. Protective clothing including impervious chemical nitrile gloves should be worn.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance/Odour:</b>	Clear/ Slightly Amine
<b>Specific Gravity:</b>	1.1 to 1.3 @ 20C
<b>Solubility in Water:</b>	Excellent
<b>Flash Point:</b>	Not Applicable. Water based solution
<b>pH:</b>	11.5
<b>Boiling Point (°C):</b>	100 degrees Celsius
<b>Freezing Point:</b>	0 degrees Celsius

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## 10. STABILITY AND REACTIVITY

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<b>Stability:</b>	Products of this type are stable and unlikely to react in hazardous manner under normal conditions.
<b>Incompatibility:</b>	Acid
<b>Hazardous Polymerisation:</b>	Will not occur
<b>Hazardous Decomposition:</b>	Under fire conditions, alkaline fumes and silica are emitted

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## 11. TOXICOLOGICAL INFORMATION

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No data is available for this material. The information shown is based on profiles of similar materials.

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## 12. ECOLOGICAL INFORMATION

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Not Available.

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of via an authorized person/licensed waste disposal contractor in accordance with local regulations.  
Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.  
Dispose of product and container responsibly and carefully.  
Do not dispose of near waterways, down drains or into soil.

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## 14. TRANSPORT INFORMATION

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Not classified as hazardous for transport (ADG, UN, IATA/ICAO)

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## 15. REGULATION INFORMATION

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### Australian Classifications

Poisons Schedule:	S5 – CAUTION
UN Number:	NA
HAZCHEM Code:	NA
Dangerous Goods Class	NA
Packaging Group:	NA

EC Labelling:	S2 Keep out of reach of children
	S3 Keep in a cool place
	S25 Avoid contact with skin wash immediately with plenty of soap.

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## 16. OTHER INFORMATION

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Further Information may be obtained by contacting On-Crete Aust. Pty Ltd

4/489 Scottsdale Drive  
Varsity Lakes Qld  
Australia  
Phone 07 5593 6884 Fax 07 5593 6885

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified. However, no warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and the information in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and /or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Oncrete Australia Pty Ltd shall not be responsible for any damage of injury resulting from abnormal use of this material, from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.