

Issue Date: February 10, 2006

Telephone: 1-800-661-3560/250-477-9969

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**1 PRODUCT INFORMATION**

Product Name: **WaterSavr™**  
Company ID: WaterSavr Global Solutions, Inc  
615 Discovery Street  
Victoria, BC V8S 1G3 Canada  
Telephone: 250-477-9969

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**2 COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Ingredient</u>	<u>CAS No:</u>	<u>% (w/w):</u>
<b>Calcium Hydroxide</b>	1305-62-0	95.0
<b>Hazardous:</b> yes		
Synonyms: Calcium hydrate, slaked/hydrated lime		

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**3 PHYSICAL PROPERTIES**

Appearance: Off-white powder, solid	Vapor Density: N/A
Odor: None	Melting Point: 1076F/580C
Solubility: Negligible	Specific Gravity: 2.24
Boiling Point: N/A	Vapor Pressure: N/A
pH: N/A	Evaporation Rate: No info.

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**4 FIRE AND EXPLOSION DATA**

**Flash Point:** N/A  
**Fire and Explosion Hazards:** Not flammable or combustible.  
**Extinguishing Media:** Use appropriate medium for cause of fire.  
**Fire Fighting Instructions:** Wear protective clothing and positive-pressure self-contained breathing apparatus.

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**5 HEALTH HAZARD INFORMATION****SAF-T-DATA™**

Health: 2- Moderate  
Flammability: 0 – None  
Reactivity: 2 – Moderate  
Contact Rating: 3 - Severe

**Inhalation:** Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath, irritation to the nose and throat. May cause chemical bronchitis.  
**Skin Contact:** Corrosive. May cause irritation. May cause burns and blistering with prolonged contact.  
**Ingestion:** Not a likely route of exposure. May cause irritation to the gastro-intestinal tract.  
**Eye Contact:** Corrosive. May produce severe irritation and conjunctivitis.  
**Chronic Exposure:** Prolonged or repeated skin contact may produce severe irritation or dermatitis.  
**Pre-existing Conditions:** Data suggest persons with pre-existing skin or respiratory problems may be more susceptible to the effects of this product.

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**6 EMERGENCY AND FIRST AID MEASURES**

**Inhalation:** Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Lifting the upper and lower eyelids occasionally. Seek medical attention immediately.

**Skin Contact:** Wipe off material from skin then immediately flush affected area with water. Remove contaminated clothing. Wash clothing before reuse. If symptoms persist, seek immediate medical attention.

**Ingestion:** Do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention.

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**7 ACCIDENTAL RELEASE MEASURES**

Ventilate area of leak or spill. Restrict access to area as appropriate until clean-up operations are complete. Wear personal protective equipment as specified in Section 9. Sweep up and shovel material and place in a suitable container for disposal, careful not to generate dust. Wash spill area with water, neutralized with dilute acid such as acetic, hydrochloric or sulfuric. Package in a suitable container for disposal.

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**8 HANDLING AND STORAGE**

Store in a tightly closed container in a cool, dry, covered and ventilated area. Do not contaminate water, food, or feed by storage or disposal. Close containers of unused material securely.

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**9 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure limits for the substance:

**Airborne Exposure Limits:**

OSHA Permissible Exposure Limit (PEL): 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respiratory)

ACGIH Threshold Limit Value (TLV): 5 mg/m<sup>3</sup>

**Engineering Measures:** General ventilation is recommended. Local exhaust ventilation is preferred to control emissions of dust or mist that may be generated.

**Respiratory Measures (NIOSH Approved):** Respiratory protection is not normally needed. If the exposure limit is exceeded and engineering measures are not feasible, an approved full facepiece particulate respirator must be worn.

**Skin Protection:** Wear impervious clothing (boots, gloves, coat, apron/coveralls) as appropriate.

**Eye Protection:** Wear safety goggles and/or full face shield. Maintain eye wash station and quick drench facilities in work area.

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**10 STABILITY AND REACTIVITY****Stability**

Stable under normal conditions. Absorbs carbon dioxide from air to form calcium carbonate.

**Hazardous Decomposition Products**

None expected

**Hazardous Polymerization**

Will not occur.

**Incompatibilities**

Acids, maleic anhydride, chlorinated phenols + potassium nitrate, nitroparaffins, phosphorus.

**Conditions to Avoid**

N/A

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**11 TOXICOLOGICAL INFORMATION**

Oral Rat LD<sub>50</sub> : 7340 mg/kg

Corrosiveness: Corrosive

Carcinogenicity: NTP – N/L

IARC – N/L

ACGIH- N/L

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**12 ECOLOGICAL INFORMATION**

**Environmental Fate:** Material not expected to bioaccumulate.

**Environmental Toxicity:** No information found.

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**13 DISPOSAL CONSIDERATIONS**

This material is not listed RCRA hazardous. Processing, use or contamination of this material may change the waste management options. Dispose of container and unused contents in accordance with federal, state, and local requirements.

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**14 TRANSPORT INFORMATION**

Not regulated.

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**15 REGULATORY INFORMATION****Calcium hydroxide (1305-62-0)****Chemical Inventory Status**

**TSCA:** Yes

**Korea:** Yes

**EC:** Yes

**DSL:** Yes

**Japan:** Yes

**NDSL:** No

**Australia:** Yes

**Philippines:** Yes

**Federal, State and International Regulations**

**SARA 302, 313:** N/L

**SARA 311/312:** Acute: Yes Chronic: Yes Fire: No Pressure: No Reactivity: No

**CERCLA:** No

**RCRA 261.33:** No

**TSCA 8(d):** No

**TSCA 12(b):** No

Australian Hazchem Code: None allocated

California Proposition 65: Material does not contain substances requiring warning.

State Right to Know: Calcium Hydroxide 1305-62-0

**WHMIS:**

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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**16 OTHER INFORMATION**

**NFPA Ratings:** Health **3** Flammability **0** Reactivity **0**

This product Material Safety Data Sheet provides health and safety information. The product is to be used in applications consistent with our product literature.

The information and recommendations herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**

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**LEGEND**

N/A: Not Applicable

N/L: Not Listed

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