

**GreenSil
IMPREGNATING EMULSION WA**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Concreation Canada Inc.
582 Rivermede Road, Unit 8, Concord, On
L4K 2H5

Revised: 10/28/08

Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Coating Solution

Formula: Aqueous emulsion with Polysiloxane and emulsifier.

WHMIS

Flammability: 2 Reactivity: 1 Health: 2

NFPA

Flammability: 2 Reactivity: 1 Health: 2

2. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! Harmful by inhalation and if swallowed. Combustible. May cause severe eye irritation. May cause adverse liver, kidney, and CNS effects.

Form: Liquid Color: white Odor: characteristic

3. POTENTIAL HEALTH EFFECTS

INGESTION

Harmful if swallowed.

SKIN

May cause a rash and itching of the skin. May cause moderate skin irritation.

INHALATION

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Harmful if inhaled. Causes irritation of the mouth, nose, and throat.

EYES

Blurred vision May cause severe eye irritation. Causes redness and tearing.

SUBCHRONIC (TARGET ORGAN)

Liver and kidney damage; This product contains ethyl alcohol which consumption is known to cause birth defects.

EYES

Blurred vision May cause severe eye irritation. Causes redness and tearing.

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MEDICAL CONDITIONS AGGRAVATED

Pre-existing liver or kidney disorders.

SUBCHRONIC (TARGET ORGAN)

Liver and kidney damage.; This product contains ethyl alcohol which consumption is known to cause birth defects.

CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

ROUTES OF EXPOSURE

Inhalation; Dermal; Eyes; Oral.

4. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
A. HAZARDOUS		
Octyltriethoxysilane	2943-75-1	30 - 60 %
B. NON-HAZARDOUS		
Water	7732-18-5	30 - 60 %
Silicone resin	76616-93-6	30 - 60 %

5. FIRST AID MEASURES

INGESTION

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

SKIN

Wash off with soap and water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call physician.

INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

EYES

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTE TO PHYSICIAN

None known.

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6. FIRE-FIGHTING MEASURES

FLASH POINT: 90.00 °C; 194 °F
METHOD: DIN 51758
IGNITION TEMPERATURE: 280.00 °C; 536 °F
FLAMMABLE LIMITS IN AIR - LOWER (%): Unknown
FLAMMABLE LIMITS IN AIR - UPPER (%): Unknown

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA

Foam, Carbon dioxide (CO₂), Dry chemical

SPECIAL FIRE FIGHTING PROCEDURES

This product or a component thereof can flow along surfaces to reach a distant ignition source and flash back. Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing. material. Avoid inhalation of vapor or mist.

7. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Wear proper protective equipment as specified in the protective equipment section. Warn other workers of spill. Increase area ventilation. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

8. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Use only in well-ventilated areas. Avoid contact with skin and eyes. Keep container tightly closed. Keep container dry. CAUTION! Recommended storage in original container below 30°C (85°F). Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Avoid inhalation of vapor or mist.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Eyewash stations; Showers

RESPIRATORY PROTECTION

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

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PROTECTIVE GLOVES

Rubber or plastics gloves

EYE AND FACE PROTECTION

Safety glasses with side-shields; Monogoggles

OTHER PROTECTIVE EQUIPMENT

Rubber apron; Wear suitable protective clothing and eye/face protection.

EXPOSURE GUIDELINES

<u>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
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Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

10. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F:	ca.275 °C; 527 °F
VAPOR PRESSURE (20 C) (MM HG):	6.01
FREEZING POINT:	< -60 °C; -76 °F
PHYSICAL STATE:	Liquid
ODOR:	characteristic
COLOR:	white
SPECIFIC GRAVITY (WATER=1):	1.09
DENSITY:	Unknown
ACID / ALKALINITY (MEQ/G):	Unknown
pH:	Unknown
VOLATILE ORGANIC CONTENT (VOL):	Unknown
SOLUBILITY IN WATER (20 C):	insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Unknown
VOC EXCL. H2O & EXEMPTS (G/L):	298

11. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur.

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HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Formaldehyde; Carbon monoxide; Silicon dioxide; Ethanol; Acrid fumes; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Concreation.

INCOMPATIBILITY (MATERIALS TO AVOID)

Unknown

CONDITIONS TO AVOID

Keep away from heat and sources of ignition.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

ECOTOXICITY

No data available

CHEMICAL FATE

No data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

Disposal should be made in accordance with federal, state and local regulations. Incineration recommended in approved incinerator according to federal, state, and local regulations.

14. DISPOSAL CONSIDERATIONS

DOT SHIPPING NAME:	Combustible liquid, n.o.s.(Octyltriethoxysilane)
DOT HAZARD CLASS:	CBL
DOT LABEL (S):	NON
UN/NA NUMBER:	NA 1993
PACKING GROUP:	III

FURTHER INFORMATION:

This product is Combustible as defined by the US Department of Transport (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations. Sensitive to cold from +5°C. Heat sensitive from +50°C Keep away from food, foodstuff, acids and bases.

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15. REGULATORY INFORMATION

Inventories

Canada DSL Inventory	q (quantity restricted)	
China Inventory of Existing Chemical Substances	y (positive listing)	
EU list of existing chemical substances	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	n (Negative listing)	
Korea Existing Chemicals Inventory (KECI)	t (temporary special case)	
Australia Inventory of Chemical Substances (AICS)	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	n (Negative listing)	
TSCA list	y (positive listing)	On TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact Concreation.

US Regulatory Information

SARA (311,312) HAZARD CLASS

Acute Health Hazard; Fire Hazard

SARA (313) CHEMICALS

CALIFORNIA PROPOSITION 65

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Canadian Regulatory Information

WHMIS HAZARD CLASS

D2B - Toxic Material Causing Other Toxic Effects

B3 - Combustible Liquid

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16. OTHER INFORMATION

OTHER

C = ceiling limit NEGL = negligible EST = estimated NF = none found NA = not applicable UNKN = unknown NE = none established REC = recommended ND = none determined V = recommended by vendor SKN = skin TS = trade secret R = recommended MST = mist NT = not tested STEL = short term exposure limit ppm = parts per million ppb = parts per billion By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2)., These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.