

# MATERIAL SAFETY DATA SHEET



## Canadian Regulations

WHMIS HAZARD CLASSES:	DSL STATUS:	NON-DSL CHEMICALS:	CANADIAN INGREDIENT DISCLOSURE LIST:
B3.	This material or its components are listed on the Canadian Domestic Substances List.	This material does not contain any non-DSL chemicals.	This material contains no listed components.

## 16 – OTHER INFORMATION

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness.

It is the user's responsibility to satisfy oneself as to the suitability and completeness of such information for their particular use. Klaas Coatings (North America) LLC does not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

**MSDS Status: Issued:** May 29, 2008  
**For Product Supplied After:** May 29, 2008

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## 12 – ECOLOGICAL INFORMATION

**ELIMINATION (PERSISTENCE AND DEGRADABILITY):**

Silicone content: biologically not degradable.

**BEHAVIOUR IN ENVIRONMENTAL COMPARTMENTS:**

No known effects.

**ECOTOXICOLOGICAL EFFECTS:**

Generally not hazardous for water.

**ADDITIONAL INFORMATION:**

No other known effects.

## 13 – TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:**

Nil.

**SKIN:**

Irritant to skin and mucous membranes.

**EYE:**

Irritating effect.

**ADDITIONAL:**

Irritant.

## 14 – TRANSPORT INFORMATION

**US DOT & CANADA TDG SURFACE:**

Valuation:

Not regulated for transport

Other Information:

Protect from freezing. Not regulated in containers up to 119 Gal./450 L each. DOT regulated as a Combustible Liquid when packaged in bulk containers (> 119 Gallons).

**TRANSPORT BY SEA IMDG-CODE:**

Valuation:

Not regulated for transport

Marine Pollutant:

No

**AIR TRANSPORT ICAO-TI/IATA-DGR:**

Valuation:

Not regulated for transport

## 15 – REGULATORY INFORMATION

### U.S. Federal Regulations

**TSCA INVENTORY STATUS AND TSCA INFORMATION:**

This material or its components are listed in compliance with the requirements of the TSCA Chemical Substance Inventory.

**TSCA 12(B) EXPORT NOTIFICATION:**

This material does not contain any TSCA 12(b) regulated chemicals.

**CERCLA REGULATED CHEMICALS:**

This material does not contain any CERCLA regulated chemicals.

**SARA 302 EHS CHEMICALS:**

This material does not contain any SARA extremely hazardous substances.

**SARA 311/312 HAZARD CLASS:**

This material does not contain any SARA 311/312 chemicals above the minimum levels

**SARA 313 CHEMICALS:**

This material does not contain any SARA 313 chemicals above the minimum levels.

**HAPS (HAZARDOUS AIR POLLUTANTS):**

None.

### U.S. State Regulations

**CALIFORNIA PROPOSITION 65 CARCINOGENS:**

This material does not contain any chemicals known to the state of California to cause cancer.

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS:**

This material does not contain any chemicals known to the state of California to cause reproductive effects.

**MASSACHUSETTS SUBSTANCE LIST:**

This material contains no listed components.

**NEW JERSEY RIGHT-TO-KNOW HAZARDOUS SUBSTANCE LIST:**

This material contains no listed components.

**PENNSYLVANIA RIGHT-TO-KNOW HAZARDOUS SUBSTANCE LIST:**

This material contains no listed components.

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## 8 – HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING:

No special precautions are necessary if used correctly. Spilled substance increases risk of slipping.

### PROTECTION AGAINST FIRE AND EXPLOSION:

No special measures required.

### STORAGE CONDITIONS:

Keep containers closed tightly and store in a cool, dry place with adequate ventilation.

### STORAGE AND TRANSPORT CONDITIONS:

Protect against frost. Minimum temperature allowed during storage and transportation: 32°F (0°C)

## 9 – PERSONNEL PROTECTION

### VENTILATION AND LOCAL EXHAUST:

Use with adequate ventilation. If spraying, or in other operations that create an aerosol mist, local exhaust ventilation designed to capture mists and sprays, such as a paint spray booth, is advised.

### RESPIRATORY PROTECTION:

If spraying a NIOSH approved air purifying respirator equipped with universal multi-contaminant, multi-gas/vapor cartridges and, at least, P-99 solid/aerosol particulate filters is recommended if overexposure to dust, mists or vapors could occur.

### PROTECTIVE CLOTHING AND GLOVES:

Recommend any standard or disposable coveralls. Launder contaminated clothing before reuse. Use butyl rubber protective gloves. Provide eye bath and safety shower.

### EYE PROTECTION:

Use safety glasses with unperforated side shields during transfer and application. During spray application chemical goggles are advised.

### GENERAL HYGIENE AND PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Do not breathe dust/vapor/mist/gas/aerosol. Do not eat, drink or smoke when handling. Wash thoroughly after handling.

Associate substances with specific control parameters such as limit values on maximum airborne concentrations in the workplace:

CAS No:	MATERIAL:	TYPE:	mg/m <sup>3</sup> :	PPM:
64-17-5	Ethanol	OSHA PEL	1,900.0	1,000.0
64-17-5	Ethanol	ACGIH TWA		1,000.0

## 10 – STABILITY AND REACTIVITY

### GENERAL INFORMATION:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

### CONDITIONS TO AVOID:

None known.

### MATERIALS TO AVOID:

No dangerous reactions known.

### HAZARDOUS DECOMPOSITION PRODUCTS:

No dangerous decomposition products known.

## 11 – DISPOSAL CONSIDERATIONS

### PRODUCT:

Recommendation: Must not be disposed of as normal garbage. Do not allow product to reach sewage system. Observe local/state/federal regulations

### PACKAGING:

Recommendation: Completely discharge containers. Cleaning agent water. Containers may be re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with same precautions as the material.

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## Additional information on acute health effects:

The health hazard evaluation is based on test results and/or on known properties of ingredients.

### CHRONIC HEALTH EFFECTS:

No known or expected chronic health effects.

### MEDICAL CONDITIONS AGGRAVATED DUE TO EXPOSURE:

None known.

### SIGNS AND SYMPTOMS OF EXPOSURE:

Refer to Acute Health Effects, listed above.

### CARCINOGENS/REPRODUCTIVE TOXINS:

No carcinogenic ingredients present at or over 0.1% in this material and no reproductive toxins at or above OSHA or WHMIS reportable levels.

See Section 13 for Toxicological Information, if any.

## 5 – EMERGENCY AND FIRST AID PROCEDURES

Get medical attention if irritation or other symptoms persist. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of Material Safety Data Sheet when going for medical treatment.

### EYE CONTACT:

Flush with large quantities of water for 15-minutes holding eyelids apart to flush entire eye surface. Seek medical attention if symptoms persist.

### SKIN CONTACT:

If contact with skin, immediately flush skin with large quantities of water or with water and soap. Rinse thoroughly.

### INHALATION:

If inhaled as aerosol, remove to fresh air. If breathing is difficult provide oxygen. If not breathing, give artificial respiration.

### INGESTION:

Drink large amounts of water. Seek medical attention if symptoms persist. Show label.

## 6 – FIRE AND EXPLOSION HAZARD DATA

### FLASH POINT (METHOD):

Not applicable.

### BOILING POINT / BOILING RANGE:

212°F (100°C) at 1013 hPa.

### LOWER EXPLOSION LIMIT (LEL):

Not determined.

### UPPER EXPLOSION LIMIT (UEL):

Not determined.

### IGNITION TEMPERATURE:

Not determined.

### FIRE AND EXPLOSION HAZARDS:

This material does not present any unusual fire or explosion hazards.

### RECOMMENDED EXTINGUISHING MEDIA:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### UNSUITABLE EXTINGUISHING MEDIA:

### FIRE FIGHTING PROCEDURES:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

### UNUSUAL EXPOSURE HAZARDS ARISING FROM SUBSTANCE, ITS COMBUSTION, RESULTING GASES:

Fire may produce thermal decomposition products.

## 7 – ACCIDENTAL RELEASE MEASURES

### PRECAUTIONS:

Avoid inhaling mists and vapors. Avoid contact with eyes and skin.

### ENVIRONMENTAL PROTECTION:

Prevent material from entering sewers or surface waters. Soak up residue with noncombustible absorbent such as sand or soil; retain contaminated water. Place in sealed containers for proper disposal. Spills of material that could reach surface waters must be reported to U.S. Coast Guard National Response Center's toll free phone number (800) 424-8802.

### CLEANING UP METHODS:

Do not flush away with water. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Take up mechanically and dispose of according to Local/State/Federal regulations.

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## 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** *Si-Prime* – Impregnating silane primer used to waterproof and protect concrete substrates.

<b>MANUFACTURER'S NAME AND ADDRESS:</b>	Klaas Coatings (North America) LLC	<b>EMERGENCY TELEPHONE NUMBERS:</b>	
	PO Box 25122	> 8:00 AM – 5:00 PM CST Mon-Fri:	(866) 317-3633
	Dallas, TX 75225-1122	> NON-BUSINESS HOURS:	(866) 317-3633
<b>DATE PREPARED:</b>	05/29/2008	<b>INFORMATION TELEPHONE:</b>	(866) 317-3633

## 2 – COMPOSITION / INGREDIENTS INFORMATION

**Chemical characteristics:** Silane, siloxane and acrylic emulsion in water.

**Information on Ingredients:**

TYPE:	CAS NO.:	SUBSTANCE:	CONTENT (WT. %):	
			LOWER	UPPER
None	N/A	N/A	N/A	N/A

**Type:** INHA - ingredient, NEBE - by-product, VERU - impurity.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in Section 2 are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

## 3 – PHYSICAL DATA

APPEARANCE:	ODOR:	pH VALUE:	DENSITY:	VOLATILE ORGANIC COMPOUNDS:	SOLUBILITY IN WATER:
Physical state / form: liquid Color: off white	Odor: very slight	Approx. 8.5	Approx. 1.05 g/cm <sup>3</sup>	Not determined	Completely miscible at 68°F (20°C)

## 4 – HAZARDS IDENTIFICATION

**HMIS® rating (product as packaged):**

<b>HEALTH:</b>	<b>FIRE:</b>	<b>REACTIVITY:</b>	<b>PPH:</b>
1	0	0	1

Note: Respiratory protection is only recommended in the event that ventilation or engineering controls are unable to maintain exposures below recommended levels; or in the event of a spill or other emergency response situation. (HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.) Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association.

**Canadian WHMIS Classification:** B3

## POTENTIAL HAZARDS AND EMERGENCY OVERVIEW

**Signal Word:** CAUTION

**Physical Hazards:** Combustible liquid and vapor.

**Acute Health Effects:**

ROUTE OF ENTRY OR POSSIBLE CONTACT:	EYE CONTACT:	SKIN CONTACT:	INHALATION:	INGESTION:
Skin, eyes, inhalation (aerosol), ingestion.	May cause eye irritation.	May cause slight skin irritation.	No acute toxic effects are expected.	Not expected in industrial use.

