1 – IDENTIFICATION

PRODUCT IDENTIFIER:
Product Name: Si-Prime Impregnating Silane Sealer

OTHER MEANS OF IDENTIFICATION
SDS #: KLAAS-002

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE
Recommended Use: Impregnating silane primer used to waterproof and protect concrete and masonry substrates.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET
Manufacturer/Distributor: Klaas Coatings (North America) LLC
PO Box 25122
Dallas, TX 75225-1122

EMERGENCY TELEPHONE NUMBER
Company Phone Number: (866) 317-3633
Emergency Telephone (24 hr): (866) 317-3633

2 – HAZARDS IDENTIFICATION

Appearance: Off-white liquid
Physical State: Liquid
Odor: Very slight

CLASSIFICATION
This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

UNKNOWN ACUTE TOXICITY
6.5% of the mixture consists of ingredient(s) of unknown toxicity

3 – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is “proprietary” and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4 – FIRST AID MEASURES

FIRST AID MEASURES

General Advice: Provide this SDS to medical personnel for treatment.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact: Wash the skin immediately with soap and water. If skin irritation persists, call a physician.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.

Ingestion: Drink large amounts of water. If symptoms persist, call a physician.
MOST IMPORTANT SYMPTOMS AND EFFECTS

Symptoms
May cause skin and eye irritation. May cause irritation to the mucous membranes and upper respiratory tract.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes to Physician
Treat symptomatically.

5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA
Carbon dioxide (CO2). Extinguishing powder. Water spray (fog).

Large Fire
Water spray or fog. Alcohol resistant foam.

Unsuitable Extinguishing Media
Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL
Non-flammable solution.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions
Use personal protective equipment as required. Spills may be slippery.

Environmental Precautions
Do not flush into surface water or sanitary sewer system.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up
Take up with sand or other non-combustible absorbent material and place into containers for later disposal. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to 40 CFR 302 for detailed instructions concerning reporting requirements. Dispose of in accordance with federal, state and local regulations.

7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from frost. Do not transport or store below 0°C/32°F.

Incompatible Materials
None known based on information supplied.
8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol 64-17-3</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm (vacated) TWA: 1900 mg/m³</td>
<td>IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m³</td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>STEL: 250 ppm TWA: 200 ppm</td>
<td>TWA: 200 ppm (vacated) TWA: 260 mg/m³ STEL: 250 ppm STEL: 325 mg/m³</td>
<td>IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm STEL: 325 mg/m³</td>
</tr>
</tbody>
</table>

APPROPRIATE ENGINEERING CONTROLS

Engineering Controls
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. Eyewash stations. Showers.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection
Use safety glasses with unperforated side shields during transfer and application. During spray application, chemical goggles are advised.

Skin and Body Protection
Recommend any standard or disposable coveralls. Wear protective butyl rubber gloves.

Respiratory Protection
If spraying, or in other operations that create an aerosol mist, respiratory protection is recommended. 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.

General Hygiene Considerations
Avoid contact with eyes and skin. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

9 – PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Odor</th>
<th>Odor Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Very slight</td>
<td>Not determined</td>
</tr>
<tr>
<td>Appearance</td>
<td>Off-white liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Off-white</td>
<td></td>
</tr>
</tbody>
</table>

PROPERTY | VALUES | REMARKS | METHOD
--- | --- | --- | ---
pH | ~8.5 | | |
Melting Point/Freezing Point | Not determined | | |
Boiling Point/Boiling Range | 100 °C / 212 °F | | |
Flash Point | Not applicable | | |
Evaporation Rate | Not determined | | |
Flammability (Solid, Gas) | n/a-liquid | | |
Upper Flammability Limits | Not determined | | |
Lower Flammability Limit | Not determined | | |
Vapor Pressure | Not determined | | |
Vapor Density | Not determined | | |
Specific Gravity | Not determined | | |
Water Solubility | Completely soluble | | |
Solubility in other solvents | Not determined | | |
Partition Coefficient | Not determined | | |
SAFETY DATA SHEET

KLAAS-002 – Si-Prime Impregnating Silane Sealer

Revision Date 07-May-2015

10 – STABILITY AND REACTIVITY

REACTIVITY
Not reactive under normal conditions.

CHEMICAL STABILITY
Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS
None under normal processing.

CONDITIONS TO AVOID
Contact with incompatible materials. Access to unauthorized persons.

INCOMPATIBLE MATERIALS
None known based on information supplied.

HAZARDOUS DECOMPOSITION PRODUCTS
None known based on information supplied.

11 – TOXICOLOGY INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Product Information

Eye Contact
Avoid contact with eyes.

Skin Contact
Avoid contact with skin.

Inhalation
Avoid breathing vapors or mists.

Ingestion
Do not taste or swallow.

COMPONENT INFORMATION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>7060 mg/kg (Rat)</td>
<td>-</td>
<td>124.7 mg/L (Rat) 4h</td>
</tr>
<tr>
<td>64-17-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methanol</td>
<td>5628 mg/kg (Rat)</td>
<td>15800 mg/kg (Rabbit)</td>
<td>83.2 mg/L (Rat) 4h</td>
</tr>
<tr>
<td>67-56-1</td>
<td></td>
<td></td>
<td>64000 ppm (Rat) 4h</td>
</tr>
</tbody>
</table>

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS

Symptoms
Please see section 4 of this SDS for symptoms.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

Carcinogenicity
Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>A3</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
<tr>
<td>64-17-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
KLAAS-002 – Si-Prime Impregnating Silane Sealer
Revision Date 07-May-2015

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
NTP (National Toxicology Program)
Known - Known Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive Toxicity
May damage fertility or the unborn child.

NUMERICAL MEASURES OF TOXICITY
Not determined

Unknown Acute Toxicity
6.5% of the mixture consists of ingredient(s) of unknown toxicity.

12 – ECOLOGICAL INFORMATION

ECOTOXICITY
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol 64-17-5</td>
<td></td>
<td>12.0 - 16.0; 96 h Oncorhynchus mykiss mL/L LC50 static 100; 96 h Pimephales promelas mg/L LC50 static 13400 - 15100; 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td></td>
<td>9268 - 14221; 48 h Daphnia magna mg/L LC50 10800; 24 h Daphnia magna mg/L EC50 2; 48 h Daphnia magna mg/L EC50 Static</td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td></td>
<td>28200; 96 h Pimephales promelas mg/L LC50 flow-through 100; 96 h Pimephales promelas mg/L LC50 static 19500 - 20700; 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20; 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600; 96 h Lepomis macrochirus mg/L LC50 flow-through</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERSISTENCE/DEGRADABILITY
Silicone content: biologically not degradable.

BIOACCUMULATION
Not determined.

MOBILITY

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>-0.77</td>
</tr>
<tr>
<td>Ethyl Alcohol 64-17-5</td>
<td>-0.32</td>
</tr>
</tbody>
</table>

OTHER ADVERSE EFFECTS
Not determined
13 – DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

Disposal of Wastes  Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging  Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA WASTE NUMBER

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>RCRA</th>
<th>RCRA - Basis for Listing</th>
<th>RCRA - D Series Wastes</th>
<th>RCRA - U Series Wastes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>Included in waste streams: F039</td>
<td></td>
<td>U154</td>
</tr>
</tbody>
</table>

CALIFORNIA HAZARDOUS WASTE STATUS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>Toxic</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>Ignitable</td>
</tr>
</tbody>
</table>

14 – TRANSPORT INFORMATION

DOT  Not regulated

IATA  Not regulated

IMDG  Not regulated

15 – REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA  Listed

DSL  Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US FEDERAL REGULATIONS

CERCLA

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>5000 lb</td>
<td></td>
<td>RQ 5000 lb final RQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

SARA 311/312 HAZARD CATEGORIES

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

SARA 313

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>Proprietary</td>
<td>1.0</td>
</tr>
</tbody>
</table>
U.S. STATE REGULATIONS

CALIFORNIA PROPOSITION 65
This product contains the following Proposition 65 chemicals.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>Developmental</td>
</tr>
<tr>
<td>Ethyl Alcohol 64-17-5</td>
<td>Carcinogen, Developmental</td>
</tr>
</tbody>
</table>

U.S. STATE RIGHT-TO-KNOW REGULATIONS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ethyl Alcohol 64-17-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16 – OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>

Issue Date: 29-May-2008  
Revision Date: 17-Apr-2015  
Revision Note: New Format

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet