SAFETY DATA SHEET

KLAAS-002 – Si-Prime Impregnating Silane Sealer | Revision Date 07-May-2015

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

Chemical Name	CAS No	Weight-%
Methanol	67-56-1	Proprietary
Ethyl Alcohol	64-17-5	Proprietary

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m^3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m^3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m^3
Methanol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m^3 (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m^3 (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m^3 (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m^3 STEL: 250 ppm STEL: 325 mg/m^3

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

Physical State	Liquid		
Appearance	Off-white liquid	**Odor**	Very slight
Color	Off-white	**Odor Threshold**	Not determined

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	

Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined
VOC Content (%)	Not determined
Density	~8.3 lbs/gal

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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg (Rat)	-	=124.7 mg/L (Rat) 4h
Methanol 67-56-1	= 5628 mg/kg (Rat)	= 15800 mg/kg (Rabbit)	=83.2 mg/L (Rat) 4h =64000 ppm (Rat) 4h

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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X

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.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethyl Alcohol 64-17-5		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		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
Methanol 67-56-1		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		

PERSISTENCE/DEGRADABILITY
Silicone content: biologically not degradable.

BIOACCUMULATION
Not determined.

MOBILITY

Chemical Name	Partition Coefficient
Methanol 67-56-1	-0.77
Ethyl Alcohol 64-17-5	-0.32

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

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methanol 67-56-1		Included in waste streams: F039		U154

CALIFORNIA HAZARDOUS WASTE STATUS

Chemical Name	California Hazardous Waste Status
Methanol 67-56-1	Toxic Ignitable
Ethyl Alcohol 64-17-5	Toxic Ignitable

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

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Methanol 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

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

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methanol	67-56-1	Proprietary	1.0

U.S. STATE REGULATIONS

CALIFORNIA PROPOSITION 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Methanol 67-56-1	Developmental
Ethyl Alcohol 64-17-5	Carcinogen Developmental

U.S. STATE RIGHT-TO-KNOW REGULATIONS

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Methanol 67-56-1	X	X	X
Ethyl Alcohol 64-17-5	X	X	X

16 – OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	Not determined	Not determined	Not determined	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	1	0	0	Not determined

Issue Date: 29-May-2008
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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