

1 – IDENTIFICATION

PRODUCT IDENTIFIER:

Product Name Cremosil Octyl Silane Cream

OTHER MEANS OF IDENTIFICATION

SDS # KLAAS-001

UN/ID # NA1993

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Recommended Use Octylsilane based thixotropic cream used to waterproof and protect concrete substrates.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Distributor Klaas Coatings (North America) LLC
 PO Box 251 22
 Dallas, TX 75225-1122

EMERGENCY TELEPHONE NUMBER

Company Phone Number (866) 317-3633
Emergency Telephone (24 hr) (866) 317-3633

2 – HAZARDS IDENTIFICATION

Appearance White to yellowish pasty cream **Physical State** Paste cream **Odor** Slight

CLASSIFICATION

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Specific target organ toxicity (single exposure)	Category 1
Flammable Liquids	Category 4

SIGNAL WORD

Danger.

HAZARD STATEMENT

Harmful if swallowed.
 Harmful in contact with skin.
 Harmful if inhaled.
 Causes damage to organs.
 Combustible liquid.

SYMBOL PHRASES

Exclamation mark.
 Health hazard.

PRECAUTIONERY STATEMENTS - PREVENTION

Wash face, hands and any exposed skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Use only outdoors or in a well-ventilated area.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Keep away from heat/sparks/open flames/hot surfaces - No smoking.

PRECAUTIONERY STATEMENTS - RESPONSE

IF exposed: Call a POISON CENTER or doctor/physician.
 IF ON SKIN: Wash with plenty of soap and water.
 Call a poison center or doctor/physician if you feel unwell.
 Wash contaminated clothing before reuse.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a poison center or doctor/physician if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Rinse mouth.

PRECAUTIONERY STATEMENTS - STORAGE

Store locked up.
Store in a well-ventilated place. Keep cool.

PRECAUTIONERY STATEMENTS - DISPOSAL

Dispose of contents/container to an approved waste disposal plant.

OTHER HAZARDS

Toxic to aquatic life with long lasting effects.

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Octyl Triethoxy Silane	35435-21-3	40-70
Methanol	67-56-1	Varies
Ethyl Alcohol	64-17-5	Varies
Amino-alkoxy dimethylsiloxane	71750-80-6	1-5

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.

Ethanol and methanol are by-products.

4 – FIRST AID MEASURES**FIRST AID MEASURES**

General Advice	If exposed or concerned: Get medical advice/attention.
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 off immediately with soap and plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	Rinse mouth. Drink plenty of water. Seek medical attention immediately. Show label; indicate the possible formation of ethanol and methanol.

MOST IMPORTANT SYMPTOMS AND EFFECTS

Symptoms	May cause skin and eye irritation. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
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INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes to Physician	Treat symptomatically.
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5 – FIRE FIGHTING MEASURES**SUITABLE EXTINGUISHING MEDIA**

Dry sand. Carbon dioxide (CO₂). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media Water.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Combustible material.

Hazardous Combustion Products Carbon oxides. Formaldehyde. Silicon dioxide. Nitrogen oxides (NO_x). Incompletely burnt hydrocarbons.

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. Cool containers exposed to fire with water.

6 – ACCIDENTAL RELEASE MEASURES
PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Personal Precautions** Use personal protective equipment as required. Remove all sources of ignition. Avoid breathing vapors or mists. Avoid contact with eyes and skin. Spills may be slippery.
- Environmental Precautions** Do not flush into surface water or sanitary sewer system. U.S.A. regulations require reporting spills of this material that could reach any surface waters. The toll free number for the U.S. Coast Guard National Response Center is (800) 424-8802.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Methods for Containment** Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up** Absorb spillage with non-combustible, absorbent material. Seal absorbent material in a closed labeled container and dispose of in accordance with local regulations. Do not flush with water.

7 – HANDLING AND STORAGE
PRECAUTIONS FOR SAFE HANDLING

- Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/ gas/ mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat/sparks/ open flames/hot surfaces - No smoking. In case of aerosol formation, special protective measures are required (exhausting by suction, respiratory protection). In partly emptied containers, formation of explosive mixtures is possible. Product can separate from methanol.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not transport or store below 0°C/32°F.
- Incompatible Materials** Reacts slowly with: water and acids. Reaction causes the formation of: ethanol.

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
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APPROPRIATE ENGINEERING CONTROLS

Engineering Controls Use local exhaust ventilation where mist or spray may be generated. 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, skin and clothing. 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	Odor	Slight
Appearance	Pigmented viscous liquid	Odor Threshold	Not determined
Color	Color varies with specific pigmentation		

PROPERTY	VALUES	REMARKS METHOD
pH	~ 7	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100°C / 212°F	@ 1013hPa
Flash Point	64°C / 147°F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	0.33 psi	@ 20°C / 68°F
Vapor Density	Not determined	
Specific Gravity	Not determined	
Water Solubility	Completely miscible	@ 20°C / 68°F
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	265°C / 509°F	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Density	~ 7.51 lb. per 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.

Hazardous Polymerization

Hazardous polymerization does not occur.

CONDITIONS TO AVOID

Contact incompatible materials. Access to unauthorized persons.

INCOMPATIBLE MATERIALS

Reacts slowly with: water and acids. Reaction causes the formation of: ethanol.

HAZARDOUS DECOMPOSITION PRODUCTS

By hydrolysis: ethanol.

11 – TOXICOLOGY INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Harmful in contact with skin.
Inhalation	Harmful if inhaled.
Ingestion	Harmful if swallowed.

COMPONENT INFORMATION

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg (Rat)	-	=124.7mg/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

STOT - single exposure

Causes damage to organs.

NUMERICAL MEASURES OF TOXICITY

Not determined

12 – ECOLOGICAL INFORMATION

ECOTOXICITY

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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. Hydrolysis product (ethanol) readily biologically degradable. By hydrolysis: ethanol and silanol- and/or siloxanol compounds.

BIOACCUMULATION

Not determined.

MOBILITY

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

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
Ethyl Alcohol 64-17-5	Toxic Ignitable
Methanol 67-56-1	Toxic Ignitable

14 – TRANSPORT INFORMATION

NOTE Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. DOT Ground: Combustible liquids are not regulated in non-bulk shipments per 49 CFR 173.150(f)(2).

DOT

UN/ID No NA1993
Proper Shipping Name Combustible liquid, n.o.s. (ethanol)
Hazard Class Comb Liq
Packing Group III

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

Fire Hazard Yes

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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 Hazardous Waste Status
Ethyl Alcohol - 64-17-5	Carcinogen Developmental
Methanol 67-56-1	Developmental

U.S. STATE RIGHT-TO-KNOW REGULATIONS

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethyl Alcohol 64-17-5	X	X	X
Methanol 67-56-1	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	2	1	1

Issue Date: 07-Feb-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