

SAFETY DATA SHEET

SECTION 1: IDENTITY

Product Identifier

Silox-PS2

Alternate Product Name(s)

None

Details of the supplier of the safety data sheets

R-CRETE INC.
P.O. Box 80286
Rancho Santa Margarita, CA 92688
949-888-8401 Fax 949-858-5720

Emergency telephone number

Emergency Telephone Number: 949-888-8401

SECTION 2: HAZARDOUS INGREDIENTS

Classification of the substance or mixture

Physical hazards

Not classified.

Health hazards

Not classified.

Environmental hazards

acute, category 2

EC Labeling:



Symbol(s)

Signal word

Warning

Hazard statement

Toxic to aquatic life.
May Causes skin irritation
Causes serious eye damage
May cause respiratory irritation

Precautionary statement

Prevention

Observe good industrial hygiene practices. Keep out of reach of children. Wear protective gloves/clothing/eye and face protection.

Response Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
In case of contact with the eyes, rinse carefully with clean water for several minutes. In relevant cases, take off contact lenses if possible. Immediately call a Poison Center or a doctor/physician. Rinse skin with water.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Other hazards which do not result in classification Vapors may irritate the respiratory tract, skin and eyes. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Wt%	OSHA PEL	ACGIH TLV
3-Aminopropyltriethoxysilane		<.5%	Not Established	Not Established

SECTION 4: FIRST AID MEASURES

Skin	Wash contaminated area with running water for at least 15-20 minutes, while removing contaminated clothing. Obtain medical attention. Launder contaminated clothing before re-use.
Eyes	Immediately flush the contaminated eye(s) with gently flowing water for at least 15-20 minutes. Obtain medical attention.
Ingestions	NEVER give anything by mouth if the person is rapidly losing consciousness, or is unconscious, or convulsing. Rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Obtain Medical attention immediately.
Inhalation	Remove source of contamination or have person move to fresh air. If not breathing, give artificial respiration. Obtain medical attention immediately.

Advice to Physician	Provide general supportive measures and treat symptomatically.
Most important symptoms/effects, acute and delayed	Irritation of eyes and mucous membranes.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Fire/Explosion Hazards	This material will flash but does not sustain combustion. As a result of gradual hydrolysis, flammable by products are released during storage which can cause a lowering of the flash point of the product over the course of its shelf life. As a result of hydrolysis flammable vapors may accumulate in the container head space. This material does not present any unusual fire or explosion hazards.
Fire Fighting Procedures	Wear full protective clothing and self-contained breathing apparatus
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Hazardous Combustion Products	Silicon dioxide, formaldehyde, carbon dioxide, carbon monoxide and incompletely burnt hydrocarbons.
Sensitivity to Impact	None
Sensitivity to Static Discharge	None
General fire hazards	Not Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Remove all ignition sources. Remove or isolate flammable and combustible materials. All persons dealing with clean-up should wear the appropriate protective equipment (See section 8).
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Containment	<p>Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground. Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.</p> <p>Dispose of as per local, state, and federal regulations</p>
Clean Up	<p>Do not flush away with water.</p> <p>For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Exhaust vapors.</p>
Notification Requirements	<p>Environmental manager must be informed of all major spillages.</p>

SECTION 7: HANDLING AND STORAGE

Handling	<p>Before handling, it is very important that engineering controls are operating, and that protective equipment requirements, and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Handling equipment should be properly grounded. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Avoid generating high concentrations of dusts. Keep away from incompatible materials such as strong oxidizing materials. Keep containers closed when not in use.</p>
Storage	<p>Store in a cool, dry, well-ventilated area out of direct sunlight. Store away from incompatible materials. Inspect all incoming containers to make sure they are properly labeled and not damaged. Storage area should be clearly identified, clear of obstruction, and accessible only to trained personnel. Inspect periodically for damage or leaks.</p>
Incompatible Materials	<p>Observe Local/State/Federal regulations.</p>

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	OSHA PEL	ACGIH TLV	Form
Ethanol	1900 mg/m ³ 1000 ppm	Not Determined	Not Determined

Engineering Controls

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits.

Personal Protective Equipment:

Eyes and Face	Wear protective chemical splash goggles to prevent mist and dust from entering the eyes. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Respiratory	Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirator if the exposure limits are unknown.
Hands, Body, and Arms	Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations.

Exposure Guidelines:

There is no available data for the product. See above for individual ingredient exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, White
Odor	Odorless or musty odor.
Odor Threshold	Not applicable
Formula	Not applicable
Molecular Weight	Not applicable
pH	8±
Melting point/freezing point	-1C
Initial boiling point/boiling range	100C
Flash point	70C
Evaporation rate	Not Applicable

Flammability (solid, gas)	No information available
Flammability in Air	Not information available
Upper flammability limit	No information available
Lower flammability limit	No information available
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Bulk Density (g/l)	No information available
Specific Gravity	9.2 to 10.50 lbs/gal
Water Solubility(ies)	No information available
Partition coefficient	No information available
Decomposition temperature	No information available

SECTION 10: STABILITY AND REACTIVITY

Stability	The product is stable and non-reactive under normal conditions of use, storage and transport
Conditions to Avoid	Heat, open flames, other ignition sources.
Materials to Avoid	Reacts with bases and acids. Reaction causes methanol and ethanol
Hazardous Decomposition	By hydrolyses: methanol and ethanol
Polymerization	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Route of exposure	Result/effect	Species	Source
Oral	LD50: > 2000 mg/kg The assessment is made under consideration of relevant data on ingredients.	Rat	Conclusion by analogy

Eye	Direct eye contact may cause moderate eye irritation or burn. Symptoms may include redness, stinging, tearing, and pain.
Skin	Direct skin contact may cause moderate irritation or burn.
Oral	Ingestion may cause irritation or burn to the mouth, throat, and stomach. Symptoms may include dizziness, drowsiness, nausea, headache, and other central nervous system effects.
Inhalation	May cause irritation or burn to the nose, throat, and respiratory tract. Symptoms may include burning sensation, sore throat, runny nose, coughing, wheezing, shortness of breath, and difficulty breathing.
Chronic	Not Determined
Carcinogenicity	Not classified.
ACGIH Carcinogens	Not Determined

SECTION 12: ECOLOGICAL INFORMATION

Acute Ecotoxicity	There is no available data on the product itself.
Chronic Ecotoxicity	No Data Available
Mobility in Soil	Silicone content: Absorbed by floating particles. Separation by sedimentation.
Abiotic Degradation	No Data Available
Biotic Degradation	No Data Available
Potential for Bioaccumulation	No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Method	Disposal must be in accordance with National or Local legislation and directives. Bags are exclusively for containing the product and must not be utilized for other use. Dispose of the contents and bags at a point of refuse collection. Harden the product before disposal by wetting it. Bags should be totally emptied.
Hazardous waste code	Not regulated.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name	Not regulated
Primary Hazard Class/Division	Not regulated
UN/NA Number	Not applicable
Label(s), Placard(s), Marking(s)	Not applicable
Reportable Quantity (RQ)	None
49 STCC Number	Not applicable
ADR (EU), TDG (Canada)	Not regulated
IMDG (sea), ICAO (air), IATA (air)	Not regulated

SECTION 15: REGULATORY INFORMATION

SARA Title III (Superfund Amendments and Reauthorization Act)

Section 302 Extremely Hazardous Substances: 40CFR355, Appendix A	Not listed
Section 311 Hazard Class 40CFR370	Not listed
Section 312 Threshold Planning Quantity (TPQ) 40CFR370	No TPQ listed
Section 313 Reportable Ingredients 40CFR372	Not listed

CERCLA (Comprehensive Environmental Response Compensation and Liability Act):
40CFR302.4 – There is no listed RQ (reportable quantity) for this product.

TSCA (Toxic Substance Control Act)

This product is listed on the TSCA Inventory of Chemical Substances. No other TSCA rules affect this product

State Regulations:

This product does not contain any components that are regulated under California Proposition 65.

Other:

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Material Identification System)

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	B

Protection = B (Safety glasses and gloves)

4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal

NFPA (National Fire Protection Association System)

Health	1
Flammability	1
Reactivity	0
Special	None

4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant