

SAFETY DATA SHEET

SECTION 1: IDENTITY

Product Identifier

Silica Shield – Stain
Silica Shield – Paint
Silica Shield - Primer
Silica Shield - Sealer

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	Not classified.

EC Labeling:



Symbol(s)

Signal word

Hazard statement

None
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 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 Dusts 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
Silica acid, potassium salt:	1312-76-1	<50%	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	Not applicable.
Fire Fighting Procedures	Wear full protective clothing and self-contained breathing apparatus
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Hazardous Combustion Products	Carbon oxides, other irritating fumes, and smoke generated by surrounding products
Sensitivity to Impact	None
Sensitivity to Static Discharge	None
General fire hazards	The product is not flammable.

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).
Containment	Confine spill, preventing it from entering sewer lines or waterways. Dispose of as per local, state, and federal regulations
Clean Up	Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert

	absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product Notify the appropriate authorities as required.
Notification Requirements	Environmental manager must be informed of all major spillages.

SECTION 7: HANDLING AND STORAGE

Handling	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 dusts. 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.
Storage	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.
Incompatible Materials	STRONG OXIDIZING MATERIALS, strong acids, some metals.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters
Occupational exposure limits
US. ACGIH Threshold Limit Values

Components	OSHA PEL	ACGIH TLV	Form
Silica acid, potassium salt:	Not Determined	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
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Appearance	Thick liquid
Odor	Odorless or musty odor.
Odor Threshold	Not applicable
Formula	Not applicable
Molecular Weight	Not applicable
pH	11±
Melting point/freezing point	No information available
Initial boiling point/boiling range	No information available
Flash point	No information available
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not combustible
Flammability in Air	Not applicable
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	Contact with incompatible materials.
Materials to Avoid	Strong oxidizing agents.
Hazardous Decomposition	Carbon oxides
Polymerization	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

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 to severe 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	No Data Available
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	0
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	0
Reactivity	0
Special	None

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