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SAFETY **DATA SHEET**

Issue Date: 12-JULY-22 | **Revision Date:** 12-JULY-22 | **Version: 1**

1. IDENTIFICATION

Product Identifier

Product Name: BallistiX Silane Stripper

Other Means of Identification

UN/ID No: UN3266

Recommended Use Of The Chemical And Restrictions On Use

Recommended Use: For industrial use

Details Of The Supplier Of The Safety Data Sheet

Meghans Supply & Design
11720 Main Street
Fredericksburg, VA 22408
United States

Emergency Telephone Number

Company Phone Number: 540-940-6698

Emergency Phone Number: INFOTRAC 1-352-323-2500 (International)
1-800-535-5053 (North America)

2. HAZARD(s) IDENTIFICATION

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Classification:

Physical	Health
Metal Corrosion Category 1	Skin Corrosion Category 1B Eye Damage Category 1

Danger!

Hazard statements

May be corrosive to metals.
Causes severe skin burns and eye damage.

Precautionary statement(s)
Keep only in original container.
Do not breathe mists.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection and face protection.
Absorb spillage to prevent material damage.
Store locked up.
Store in corrosive resistant container with a corrosive resistant inner liner.
Dispose of contents and container in accordance with local and national regulations.

Precautionary statements

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.

Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Concentration
Potassium Hydroxide	1310-58-3	10-20%
Sodium Metasilicate	6834-92-0	1-5%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First-Aid Measures

Inhalation: Remove to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get immediate medical attention.
Skin contact: Immediately flush skin thoroughly with water for 20 minutes. Wash area with soap and water. Remove contaminated clothing and launder before reuse. Get immediate medical attention.
Eye contact: Immediately flush eyes with water for at least 30 minutes while lifting the upper and lower lids. Get immediate medical attention.
Ingestion: If conscious, give 1 glass of water or milk to dilute. DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.
Most important symptoms/effects, acute and delayed: Contact with the eyes may cause burns with possible corneal damage and blindness. Skin contact may cause burns. Mists may cause irritation to mucous membranes and respiratory tract. Higher concentrations may cause severe irritation or burns and pulmonary edema. Ingestion may cause gastrointestinal corrosion, vomiting, diarrhea, shock or death. May cause chronic effects.

Indication of immediate medical attention and special treatment, if necessary: If contact occurs, get immediate medical attention.

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: Use water fog, dry chemical, carbon dioxide and foam.

Specific hazards arising from the chemical: Contact with metals may release flammable hydrogen gas. Contents are corrosive and all personal contact must be avoided.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers with water.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment to prevent eye and skin contact.

Environmental precautions: Avoid release to the environment. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Neutralize spill with a dilute acetic acid. Collect into closable containers for disposal. Flush spill area with water.

Section 7. Handling and Storage

Precautions for safe handling: Prevent eye and skin contact. Do not breathe mists or aerosols. Use only with appropriate protective equipment. Immediately remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities: Protect containers from physical damage. Store in a cool, well ventilated area away from acids and other incompatible materials.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Potassium Hydroxide	2 mg/m^3 Ceiling ACGIH TLV
Sodium Metasilicate	5 mg/m^3 TWA OSHA PEL

Appropriate engineering controls: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

Personal Protective Equipment:
Respiratory protection: Good general ventilation (equivalent to outdoors) should be adequate under normal conditions. For spray application and for large jobs where the recommended exposure limit may be exceeded wear an approved dust/mist respirator with appropriate eye protection. A full facepiece respirator provides both eye and respiratory protection. For higher concentrations an approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.
Skin protection: Butyl rubber or other impervious gloves are required.
Eye protection: Wear chemical goggles and faceshield to prevent eye contact.
Other: Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible. For operations where contact can occur, a safety shower and an eye wash facility should be available.

Section 9. Physical and Chemical Properties

Appearance (physical state, color, etc.): Thick tan gel
Odor: Mild odor.

Odor threshold: Not available	**pH:** 13
Melting point/freezing point: Not available	**Boiling point:** 212°F (100°C) (water)

Flash point: Not flammable	**Evaporation rate:** Not available
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	**UEL:** Not applicable
Vapor pressure: Not available	**Vapor density:** Not available
Relative density: 1.11	**Solubility(ies):** Soluble
Partition coefficient: n-octanol/water: Not available	**Auto-ignition temperature:** Not available
Decomposition temperature: Not available	**Viscosity:** Not available
VOC: Not available	

Section 10. Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.
Chemical stability: Stable
Possibility of hazardous reactions: Contact with metals may produce hydrogen gas.
Conditions to avoid: Contact with copper, zinc and aluminum may release flammable hydrogen gas.
Incompatible materials: Strong oxidizing agents, acids, halogenated hydrocarbons, maleic anhydride and reducing sugars.
Hazardous decomposition products: Thermal decomposition may produce carbon and potassium oxides

Section 11. Toxicological Information

Acute effects of exposure:
Inhalation: Mist and vapors may cause severe irritation to mucous membranes and respiratory tract. High vapor or mist concentrations may cause respiratory tract burns or pulmonary edema.
Skin Contact: May cause severe irritation or burns. Prolonged or repeated skin contact with diluted solutions may cause dermatitis.
Eye Contact: Liquid or mists may cause severe burns, tearing and blurred vision. Corneal damage or blindness may occur.
Ingestion: May cause gastrointestinal corrosion, vomiting, diarrhea, shock and death.
Chronic Effects: Repeated skin contact with diluted solutions or mists may cause dermatitis.
Sensitization: None of the components have been shown to cause sensitization to animals or humans.
Germ Cell Mutagenicity: None of the components have been shown to cause germ cell mutagenicity.
Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.
Carcinogenicity: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.

Acute toxicity values: No toxicity data available for the product. Acute Toxicity Estimate for oral: 2023 mg/kg
Potassium hydroxide: Oral rat LD50 333 mg/kg
Sodium Metasilicate: Oral rat LD50 1280 mg/kg; Inhalation rat LC50 >2.06 mg/L/4 hr; Dermal rabbit LD50 >5000 mg/kg.

Section 12. Ecological Information

This product is may be hazardous to the aquatic environment due to its high pH.

Ecotoxicity values:
Potassium Hydroxide: No data available
Sodium Metasilicate: 96 hr LC50 Danio rerio 210 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic substances such as sodium metasilicate and potassium hydroxide.
Bioaccumulative potential: No data available. Not expected to be bioaccumulative.
Mobility in soil: No data available.
Other adverse effects: None known.

Section 13. Disposal Considerations

Dispose in accordance with all local, state and federal regulations.

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Containers 0.3 gal (1 L.) or smaller Limited Quantity			
DOT	UN3266	Containers larger than 0.3 gal. (1 L or greater) Corrosive Liquid , Basic, Inorganic, n.o.s. (Potassium Hydroxide, Sodium Metasilicate)	8	PGII	None
TDG		Containers 0.3 gal (1 L.) or smaller Limited Quantity			
TDG	UN3266	Containers larger than 0.3 gal. (1 L or greater) Corrosive Liquid , Basic, Inorganic, n.o.s. (Potassium Hydroxide, Sodium Metasilicate)	8	PGII	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

Section 15. Regulatory Information

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Potassium Hydroxide (20% maximum) of 1,000 lbs, is 5,000 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Refer to Section 2 for the OSHA Hazard Classification.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None.

California Proposition 65: WARNING: This product can expose you to chemicals including Ethyl Acrylate, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

CANADA:
Canadian CEPA: All the components of this product are listed on the Canadian DSL.