

# SAFETY DATA SHEET

SIL-X (7000 Series)



## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

- 1.1 **PRODUCT NAME:** **SIL-X (7000 Series)**  
CAS NUMBER: Mixture  
PRODUCT SYNONYM(S): Anti-Graffiti  
To be applied over existing building material- concrete, brick, stucco, metal
- 1.2 **PRODUCT USE:**
- 1.3 **SUPPLIER/MANUFACTURER'S NAME:** **Silicone Coating Solutions, Inc**  
ADDRESS: 2101 Rocksmart Rd SE, Rome, GA, 30161  
BUSINESS PHONE: 706-292-0172  
WEBSITE: www.siliconecs.com
- 1.4 **EMERGENCY PHONE:**
- 1.5 **DATE OF PREPARATION:** March 15, 2017  
DATE OF LAST REVISION:

## SECTION 2 - HAZARDS IDENTIFICATION

### 2.1 Classification of the mixture

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200

#### Component(s) Contributing to Classification(s)

Titanium Dioxide, Octamethylcyclotetrasiloxane, 2-Butanone,O,O', O"- (Methylsilylidyne)Trioxime, Silica, Amorphous, fumed, crystal-free, 2-Butanone, O,O',O"-silanetetrayltetraoxime

### 2.2 GHS Label elements, including precautionary statements

#### Pictogram(s):



#### Signal Word:

**Warning!**

#### GHS Hazard Classification(s):

Flammable Liquid Category 3  
Skin Irritation Category 2  
Eye Irritation Category 2  
Skin Sensitization Category 1  
Carcinogenicity Category 2  
Reproductive Hazard Category 2

#### Hazard Statement(s):

H227: Combustible Liquid  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
H317: May cause an allergic skin reaction  
H351: Suspected of causing cancer.  
H361: Suspected of damaging fertility or the unborn child

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## Prevention Statement(s):

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

## Response Statement(s):

P302+P352: IF ON SKIN: Wash with plenty of water.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P370+P378: In case of fire: See section 5 of this document for methods of extinguish.  
P337+P313: If eye irritation persists; Get medical advice / attention.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P314: Get medical advice/attention if you feel unwell.

## Storage Statement(s):

P405: Store locked up.  
P403: Store in a well-ventilated place.

## Disposal Statement(s):

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3 Other Hazards

None applicable.

## SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

### 3.2 Mixtures

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	INDEX #	WT %	GHS CLASSIFICATION
Liquid Silicone Polymer	* Trade Secret	Trade Secret	Not Listed	45 – 60%	NOT CLASSIFIED
Nepheline Syenite	37244-96-5	Not Listed	Not Listed	15 – 30%	NOT CLASSIFIED
Titanium Dioxide	13463-67-7	236-675-5	Not Listed	5 – 15%	CARCINOGENICITY CATEGORY 2
Octamethylcyclotetrasiloxane	556-67-2	209-136-7	014-018-00-1	5 – 15%	AQUATIC CHRONIC CAT 4, REPR. HAZARD CAT 2, FLAMMABLE LIQUID CAT 3
2-Butanone, O, O', O"- (Methisilylidyne) Trioxime	22984-54-9	245-366-4	Not Listed	2 – 7%	SKIN IRRIT. CAT 2, SKIN SENS. CAT 1, EYE IRRIT. CAT 2A
Silica, Amorphous, fumed, crystal-free	112945-52-5	Not Listed	Not Listed	1 – 3%	SKIN IRRIT. CAT 2, EYE IRRIT. CAT 2A, STOT SE CAT 3
2-Butanone, O, O', O"- silanetetrayltetraoxime	34206-40-1	251-882-0	Not Listed	<1%	SKIN IRRIT. CAT 2, SKIN SENS. CAT 1, EYE IRRIT. CAT 2A

**Additional Information:** See SECTION 16 for full classification phrases.

\* Company Trade Secret - Business Confidential. Silicone Coating Solutions, Inc is withholding the specific chemical identity under provision of the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). This information will be made available to health professionals in accordance with 29 CFR 1910.1200 (i)(1) (2) (3) (4).

## SECTION 4 - FIRST-AID MEASURES

### 4.1 Description of first aid measures

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

**SKIN CONTACT:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

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**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

#### 4.2 Most important symptoms and effects, both acute and delayed

Pre-existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None Known

#### 4.3 Indication of immediate medical attention and special treatment needed

Treat symptoms and reduce over-exposure.

## SECTION 5 - FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

Water, Dry chemical or CO<sub>2</sub>.

#### 5.2 Specific hazards arising from the chemical

None known.

Explosion Sensitivity to Mechanical Impact:

Not Sensitive.

Explosion Sensitivity to Static Discharge:

Not Sensitive.

Minimum Ignition Energy (M.I.E.):

No Data at this time

#### 5.3 Special firefighting Procedure

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Avoid breathing vapor or mist. Provide adequate ventilation. Use appropriate respirator when ventilation is inadequate and use personal protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

#### 6.2 Environmental precautions

Avoid allowing product to enter drains, sewers/surface, or ground water. See Section 12, Ecological information.

#### 6.3 Methods and material for containment and cleaning up

Pick up released product with appropriate implements & return to original container if reusable, or dispose. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

## SECTION 7 - HANDLING and STORAGE

#### 7.1 Precautions for safe handling

Follow good handling and housekeeping practices. Avoid spills. Clean up spills while product is still moist to prevent dust and accumulations of dust, or generation of airborne dust. After handling, wash thoroughly with soap and water.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in sealed containers in a clean, well-ventilated area away from incompatible materials.

#### 7.3 Specific end uses

See section 1.2.

## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

#### 8.1. Control parameters

##### EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH	OSHA
Liquid Silicone Polymer	* Trade Secret	Not Listed	Not Listed
Nepheline Syenite	37244-96-5	5 mg/m <sup>3</sup> (TWA)	10 mg/m <sup>3</sup> (TWA)
Titanium Dioxide	13463-67-7	15 mg/m <sup>3</sup> (TWA)	Not Listed

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Octamethylcyclotetrasiloxane	556-67-2	Not Listed	Not Listed
2-Butanone, O, O', O''-(Methisilyldyne) Trioxime	22984-54-9	Not Listed	Not Listed
Silica, Amorphous, fumed, crystal-free	112945-52-5	Not Listed	20 Million particles per cubic foot
2-Butanone, O,O',O''-silanetetrayl/tetraoxime	34206-40-1	Not Listed	Not Listed

## 8.2 Exposure Controls

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Safety glasses are recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

**HAND PROTECTION:** Use protective gloves as appropriate to minimize skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**BODY PROTECTION:** Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>PHYSICAL STATE:</b>	Liquid
<b>APPEARANCE &amp; ODOR:</b>	Multiple color liquid with slight odor
<b>ODOR THRESHOLD (PPM):</b>	None
<b>pH:</b>	Not Available
<b>MELTING / FREEZING POINT (C°):</b>	Not Available
<b>BOILING POINT (C°):</b>	Not Available
<b>FLASH POINT:</b>	128°F (53.3°C)
<b>EVAPORATION RATE (nBuAc = 1):</b>	Not Available
<b>FLAMMABILITY (solid, gas):</b>	Not Applicable
<b>FLAMMABLE LIMITS (in air by volume, %):</b>	Not Applicable
<b>VAPOR PRESSURE (mmHg):</b>	Not Available
<b>VAPOR DENSITY (AIR=1):</b>	Not Available
<b>RELATIVE DENSIT</b>	Not Available
<b>SOLUBILITY IN WATER (%)</b>	None
<b>PARTITION COEFFICIENT: N-OCTANOL/WATER:</b>	Not Applicable
<b>AUTOIGNITION TEMPERATURE:</b>	Not Applicable
<b>DECOMPOSITION TEMPERATURE:</b>	Not Applicable
<b>VISCOSITY:</b>	Not Applicable
<b>EXPLOSIVE PROPERTIES:</b>	Not Applicable
<b>OXIDISING PROPERTIES:</b>	Not Applicable

### 9.2 Other Information

<b>PACKING DENSITY:</b>	Not Applicable
<b>SPECIFIC GRAVITY 4°C: (Water = 1)</b>	Not Applicable
<b>VOC:</b>	Not Applicable

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## SECTION 10 - STABILITY and REACTIVITY

- 10.1 Reactivity:** No data is available.  
**10.2 Chemical Stability:** Product is stable under recommended storage conditions.  
**10.3 Possibility of Hazardous Reactions:** No data is available.  
**10.4 Conditions to avoid:** Contact with incompatible materials.  
**10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.  
**10.6 Hazardous Decomposition Products:** Thermal decomposition (burning) may produce Carbon oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

TOXICITY DATA: There is no available data for the product.

#### 11.1.2 Mixtures

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Skin Irritation Category 2
Serious eye damage / irritation	Eye Irritation Category 2
Respiratory or skin sensitization	Skin Sensitization Category 1
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Carcinogenicity Category 2
Reproductive toxicity	Reproductive Toxicity Category 2
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

### Other Information

#### POTENTIAL HEALTH HAZARDS OR RISKS FROM EXPOSURE:

##### ACUTE:

- INHALATION:** May cause respiratory irritation.  
**EYE:** Direct contact may cause irritation.  
**SKIN:** May cause irritation. May cause an allergic skin reaction.  
**INGESTION:** May be harmful if swallowed.  
**CHRONIC:** May cause cancer. Possible reproductive hazard.

**SUSPECTED CANCER AGENT:** Ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are considered to be, suspected to be, cancer-causing agents by these agencies.

Titanium Dioxide CAS# 13463-67-7

**IRRITANCY OF PRODUCT:** Contact with this product can be irritating to exposed skin and eyes.

**SENSITIZATION OF PRODUCT:** This product is considered a skin sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:** This product does contain components which are documented as reproductive hazards.

## SECTION 12 - ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

### 12.1 Toxicity

TOXICITY DATA: There is no available data for the product.

### 12.2 Persistence and degradability

No specific data available on this product.

### 12.3 Bioaccumulative potential

There is no available data for the product.

### 12.4 Mobility in soil

No specific data available on this product.

### 12.5 Results of PBT and vPvB assessment

No specific data available on this product.

### 12.6 Other adverse effects

No specific data available on this product.

### 12.7 Water endangerment class

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Not believed to be water endangering in accordance with EU Guideline 91/155-EWG. At present there are no ecotoxicological assessments for this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

## SECTION 14 - TRANSPORTATION INFORMATION

### US DOT; IATA; IMO; ADR:

**THIS PRODUCT IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.**

**PROPER SHIPPING NAME:** Flammable liquid, n.o.s (Contains Octamethylcyclotetrasiloxane)

**HAZARD CLASS NUMBER and DESCRIPTION:** Class 3 Flammable Liquid

**UN IDENTIFICATION NUMBER:** UN1993

**PACKING GROUP:** III

**DOT LABEL(S) REQUIRED:** Flammable

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2016):** 128

**MARINE POLLUTANT:** None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

### U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is Classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

### TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is classified as Dangerous Goods, per regulations of Transport Canada.

### INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is classified as Dangerous Goods, by rules of IATA:

### INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is classified as Dangerous Goods by the International Maritime Organization.

### EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.

## SECTION 15 - REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### UNITED STATES REGULATIONS

**SARA REPORTING REQUIREMENTS:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

#### SARA 311/312:

Acute Health: Yes      Chronic Health: Yes      Fire: No      Reactivity: No

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

#### U.S. CERCLA REPORTABLE QUANTITY (RQ):

CERCLA Reportable Quantity (RQ), None.

#### CLEAN WATER ACT:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

#### STATE REGULATIONS: None.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** One of the ingredients are on the California Proposition 65 lists.

Titanium Dioxide CAS# 13463-67-7

#### CANADIAN REGULATIONS:

**CANADIAN DSL/NDL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** This product complies with WHMIS 2015 Regulations

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## EUROPEAN ECONOMIC COMMUNITY INFORMATION:

### EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No 1272/2008. See section 2 for details.

## AUSTRALIAN INFORMATION FOR PRODUCT:

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed on the AICS or Exempt.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

## JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

## INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed or Exempt
Australian Inventory of Chemical Substances (AICS):	Listed or Exempt
Korean Existing Chemicals List (ECL):	Listed or Exempt
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed or Exempt
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed or Exempt
Swiss Giftliste List of Toxic Substances:	Listed or Exempt
U.S. TSCA:	Listed

## 15.2 Chemical safety assessment

A chemical safety assessment for this product has not been performed.

## SECTION 16 - OTHER INFORMATION

### **HMIS Rating (Scale 0-4)**

Health hazard: 2  
Flammability: 0  
Physical Hazard: 0

### **NFPA Rating (Scale 0-4)**

Health hazard: 2  
Flammability: 0  
Physical Hazard: 0

### **Caution: HMIS and NFPA ratings are based on a 0-4 rating scale**

0= Minimal Hazard

1= Slight

2= Moderate

3= High

4= Extreme

### **Abbreviations and acronyms**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CFR</b>	Code of Federal Regulations
<b>DOT</b>	Federal Department of Transportation
<b>GHS</b>	The Globally Harmonized System of Classification and Labelling of Chemicals
<b>HMIS</b>	Hazardous Material Identification System
<b>HCS</b>	Hazard Communication Standard
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	The International Air Transport Association
<b>ICAO</b>	The International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>IMO</b>	International Maritime Organization
<b>LD50/LC50</b>	Lethal Concentration/Dose, 50 percent
<b>NFPA</b>	National Fire Protection Association
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health
<b>PEL</b>	OSHA Permissible Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act
<b>TLV</b>	ACGIH Threshold Limit Value

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<i>TWA</i>	<i>Time-Weighted Average</i>
<i>Eye Irrit</i>	<i>Eye Irritation</i>
<i>Skin Irrit</i>	<i>Skin Irritation</i>
<i>Skin Sens</i>	<i>Skin Sensitivity</i>
<i>REPR.</i>	<i>Reproductive</i>

**PREPARED BY:** Chris Eigbrett

MSDS to GHS Compliance  
www.msdstoghs.com

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**Revision History:**  
**March 15 2017** - Document creation.

**END OF SDS**