



SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: PS#250.1 - High Solids 100% Silicone 92% Solids Elastomeric Roof Coating (FR)

Recommended Use: Roof Coating
Restriction on Use: None

Manufacturer:
KM Coatings
1111 West Newport Center Drive
Deerfield Beach, Florida 33442
866-222-9782

SDS Date of Preparation: 8/1/18

Emergency Contact: (800) 424-9300 CHEMTREC (USA)

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification:

Physical	Health
Flammable Liquid Category 3	Carcinogen Category 2 Reproductive Toxicity Category 2 Skin Sensitizer Category 1B Specific Target Organ Toxicity Single Exposure Category 3 Specific Target Organ Toxicity Repeated Exposure Category 2

Label Elements:

Warning!



Flammable liquid and vapor.
May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility.
May cause respiratory irritation.
May cause damage to cardiovascular system through prolonged or repeated exposure by ingestion.

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Keep container tightly closed.
Ground and bond container and receiving equipment.
Use explosion-proof electrical, ventilating, or lighting equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Do not breathe mist, vapors or spray.
Use only outdoors or in a well-ventilated area.

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**Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing and eye protection.**

Response

IF exposed or concerned: Get medical advice.

IF ON SKIN (of hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation or rash occurs: Get medical attention.

Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. In case of fire: Use water fog or spray, alcohol foam, carbon dioxide or dry chemical to extinguish.

Storage

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

Disposal

Dispose of contents and container in accordance with local and national regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>WT.%</u>
Liquid Silicone Polymer	Trade Secret	45-60
Nepheline Syenite	37244-96-5	15-30
Titanium Dioxide	13463-67-7	5-15
Octamethylcyclotetrasiloxane	556-67-2	5-15
2-Butanone, O, O', O''-(Methylsilylidyne) Trioxime	22984-54-9	2-7
Silica, Amorphous, fumed, crystal-free	112945-52-5	1-3
2-Butanone, O, O', O''-Silanetetrayltetraoxime	34206-40-1	<1

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURERS

Eyes: Flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

Skin: Remove contaminated clothing and shoes. Flush skin thoroughly with water for several minutes. Get medical attention if irritation or rash occurs. Launder clothing before re-use.

Inhalation: If symptoms develop, move to fresh air. Get medical attention if irritation persists.

Ingestion: If conscious, rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing. If a large amount is swallowed or gastrointestinal effects develop, get medical attention.

Most important symptoms/effects, acute and delayed: Prolonged contact may cause skin irritation and dryness. May cause skin sensitization. Inhalation of vapors or mists may cause respiratory tract irritation. Ingestion may cause nausea, vomiting and diarrhea. Repeated ingestion may damage the cardiovascular system. Prolonged overexposure may cause cancer and may damage fertility. Risk of cancer depends on duration and level of exposure.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not normally required.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Use water fog or spray, alcohol foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses.

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Specific Hazards Arising from the Chemical: Flammable liquid and vapor. Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back. Combustion products may include oxides of carbon and other irritating compounds.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Remove all ignition sources such as open flames, etc. Avoid contact with eyes, skin or clothing. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed. Avoid breathing vapors or mists. Ventilate area.

Methods and Materials for Containment and Cleaning Up: Dike the spilled material. Use non-sparking tools and equipment. Attempt to reclaim the free product, if this is possible. Place in an appropriate container for use or disposal. Collect residue with inert material and place into a closable container for disposal. Wash spill area. Prevent runoff to storm sewers and ditches leading to natural waterways. Report spill as required by local and federal regulations.

SECTION 7 HANDLING and STORAGE

Precautions for Safe Handling: Avoid contact with the eyes. Avoid prolonged contact with skin and clothing. Wear protective clothing and equipment as described in Section 8. Avoid breathing vapors and mists. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Keep containers closed when not in use.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry location away from incompatible materials. Do not store near heat or open flame. Protect from physical damage. Store in original container; keep tightly closed. Rotate stock, using older materials first. **Do not** reuse container for other purposes.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Liquid Silicone Polymer	None Established
Nepheline Syenite	None Established
Titanium Dioxide	15 mg/m ³ TWA OSHA PEL (total dust) 10 mg/m ³ TWA ACGIH TLV
Octamethylcyclotetrasiloxane	None Established
2-Butanone, O, O', O''- (Methylsilylydyne) Trioxime	None Established
Silica, Amorphous, fumed, crystal-free	80 mg/m ³ TWA OSHA PEL % SiO ₂
2-Butanone, O, O', O''- Silanetetrayltetraoxime	None Established

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.



Respiratory Protection: If the exposure limits are exceeded a NIOSH approved respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Gloves: Rubber or other impervious gloves are recommended to prevent prolonged skin contact.

Eye Protection: Chemical safety glasses or goggles should be worn if splashing is possible.

Other Protective Equipment: Impervious clothing as needed to avoid skin contact.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance And Odor: Viscous liquid in various colors (white, tan, light gray, or dark gray) with a slight odor.

Boiling Point (@ 760 mmHg): Not determined	Freezing Point: Not available
Odor Threshold: Not determined	Viscosity: Not determined
Relative density (H2O=1): Not determined	Vapor Pressure: Not determined
VOC: Not determined	Vapor Density (AIR=1): Not determined
Evaporation Rate: Not determined	Solubility In Water: Not determined
pH: Not available	Partition Coefficient n-Octanol/Water: Not available
Flash Point: 128°F (53°C)	Autoignition Temperature: Not applicable
Decomposition Temperature: Not determined	Flammability (solid, gas): Not applicable
Flammable Limits: (vol % in air)	LEL – Not applicable UEL – Not applicable

SECTION 10 STABILITY and REACTIVITY

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions

Possibility of Hazardous Reactions: None known

Conditions to avoid: Keep away from heat, sparks, flames and other sources of ignition.

Incompatible materials: Avoid oxidizing agents, acids and bases.

Hazardous decomposition products: Thermal decomposition may yield oxides of carbon and other irritating compounds.

SECTION 11 TOXICOLOGICAL INFORMATION

Eye: Contact may cause irritation with redness and tearing

Skin: Prolonged skin contact may cause irritation and drying of the skin.

Inhalation: Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sensitization: This product is expected to cause skin sensitization.

Chronic Effects: Repeated exposure to Octamethylcyclotetrasiloxane may cause damage fertility. Repeated ingestion of 2-Butanone, O, O', O''-(Methylsilylidyne) Trioxime and 2-Butanone, O, O', O''-Silanetetrayltetraoxime may damage the cardiovascular system.

Carcinogenicity: Titanium dioxide is listed by IARC as "Possibly Carcinogenic to Humans", Group 2B. None of the other components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

Numerical Measures of Toxicity:

Liquid Silicone Polymer: No toxicity data available.

Nepheline Syenite: No toxicity data available.

Titanium Dioxide: Oral rat LD50: >5000 mg/kg

Octamethylcyclotetrasiloxane: Oral rat LD50: >4800 mg/kg, Inhalation rat LC50: 36 mg/L/4hr, Skin rat LD50: >2400 mg/kg

2-Butanone, O, O', O''-(Methylsilylidyne) Trioxime: Oral rat LD50: 2453 mg/kg, Skin rat LD50: >2000 mg/kg

Silica, Amorphous, fumed, crystal-free: Oral rat LD50: 3160 mg/kg

2-Butanone, O, O', O''-Silanetetrayltetraoxime: Oral rat LD50: 2282.81 mg/kg, Skin rat LD50: >2000 mg/kg



SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Octamethylcyclotetrasiloxane: 96 hr LC50 Rainbow trout: >22 ug/L, 93 day NOEC Rainbow trout: ≥4.4 ug/L, 48 hr EC50 Daphnia magna: >15 ug/L, 21 day NOEC Daphnia magna: ≥15 ug/L

This product is expected to be harmful to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name: Flammable liquid, n.o.s.

UN Number: UN1993

Hazard Class/Packing Group: 3, PG III

Labels Required: Flammable liquid

Environmental hazards: None known

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable

Special precautions: None known

SECTION 15: REGULATORY INFORMATION

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

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

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

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

SECTION 16: OTHER INFORMATION

NFPA Rating:

HMIS Rating:

Health = 2

Health = 2*

Fire = 2

Fire = 2

Instability = 0

Physical Hazard = 0

*Chronic Health Hazard

SDS Date of Preparation: 8/1/18

Revision Summary: New SDS

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SAFETY DATA SHEET

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. KM Coatings shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.