



GARDNER-GIBSON  
 4161 E. 7th AVENUE  
 TAMPA, FL, 33605  
 USA  
 813-248-2101

**PRODUCT: S-1 SILICONE PLUS ROOF SEALANT**

**CODE: 5575**

**SECTION 01: IDENTIFICATION**

Supplier identifier..... Gardner-Gibson  
 4161 E. 7th Avenue  
 Tampa, FL 33605  
 USA  
 813-248-2101  
 Product identifier..... S-1 SILICONE PLUS ROOF SEALANT  
 Product code..... 5575  
 Product use..... Roof coating.  
 Emergency telephone number..... CANUTEC 24-hour number (613-996-6666). CHEMTREC 1-800-424-9300.

**SECTION 02: HAZARD IDENTIFICATION**



Hazard classification..... Skin Sensitizer — Category 1.  
 Signal word..... WARNING.  
 Hazard statement..... H317 May cause an allergic skin reaction.  
 Precautionary statements..... P261 Avoid breathing dust/fume/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P321 Specific treatment (see section 4 of SDS). P362+P364 Take off contaminated clothing and wash before reuse. P501 Dispose of contents/container to an approved waste disposal plant.  
 Other hazards..... None.  
 Comments..... Fillers are encapsulated and not expected to be released from product under normal conditions of use. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

| HAZARDOUS INGREDIENTS                        | CAS #      | WT. %   |
|--|------------|---------|
| Distillates (petroleum), hydrotreated middle | 64742-46-7 | 1-5     |
| Methyltris(methylethylketoxime)silane        | 22984-54-9 | 1-5     |
| Titanium dioxide                             | 13463-67-7 | 1.5-2   |
| Carbon black                                 | 1333-86-4  | 0.1-0.4 |

**SECTION 04: FIRST-AID MEASURES**

Routes of exposure  
 Inhalation..... If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.  
 Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.  
 Skin contact..... Wash off with soap and water. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash before reuse.  
 Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. If irritation persists, contact a physician.  
 Most important symptoms and effects, both acute and delayed . The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.  
 Medical attention and special treatment..... Note to physician: Treat according to symptoms (decontamination, vital functions), no known specific antidote. No special measures required.

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**SECTION 05: FIRE-FIGHTING MEASURES**

Extinguishing media..... Not flammable. Use an extinguishing agent suitable for the surrounding fire. Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous combustion products..... The substances/groups of substances mentioned can be released in case of fire: Harmful vapours. Carbon oxides. Nitrogen oxides (NOx). Silicone compounds.

Special protective equipment and precautions Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Move containers from fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.

Further information..... In a fire or if heated, a pressure increase will occur and the container may burst. Product will not burn as supplied. Dried film may burn if subject to source of ignition. During fire, gases hazardous to health may be formed.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures Use personal protective clothing. Eliminate all sources of ignition. Ventilate area if indoors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. No action shall be taken involving any personal risk or without suitable training.

Environmental precautions..... Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

Methods and materials for containment and cleaning up Contain and absorb spilled liquid with non combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Dispose of absorbed material in accordance with regulations. Contaminated absorbent material may pose the same hazards as the spilled product .

**SECTION 07: HANDLING AND STORAGE**

Handling precautions..... Avoid contact with skin and eyes. Keep container closed when not in use.

Storage needs..... Keep in a dry, cool and well-ventilated place. Avoid exposure to excessive heat, light, and air for prolonged periods of time.

Materials to avoid..... Avoid exposure to water and moisture. Keep away from oxidizing agents.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

| INGREDIENTS                                  | TWA  | ACGIH TLV<br>STEL | PEL           | OSHA PEL<br>STEL | REL NIOSH     |
|--|--|-------------------|---------------|------------------|---------------|
| Distillates (petroleum), hydrotreated middle | 5 mg/m3 mist   | 10 mg/m3          | 5 mg/m3       | not available    | 5 mg/m3 mist  |
| Methyltris(methylethylketo xime)silane       | not available  | not available     | not available | not available    | not available |
| Titanium dioxide                             | 10 mg/m3   | not available     | 15 mg/m3      | not available    | not available |
| Carbon black                                 | 3.5 mg/m3  | not available     | 3.5 mg/m3     | not available    | not available |
| Engineering controls.....                    | Good general ventilation (typically 10 air changes per hour) should be used .  |                   |               |                  |               |
| Individual protection measures               |  |                   |               |                  |               |
| Eye/type.....                                | Safety glasses with side-shields.  |                   |               |                  |               |
| Clothing/type.....                           | Wear suitable protective clothing. Normal work clothing (long sleeved shirts and long pants) is recommended.   |                   |               |                  |               |
| Gloves/ type.....                            | Wear chemical resistant protective gloves.   |                   |               |                  |               |
| Respiratory/type.....                        | Generally not required. Wear respiratory protection if ventilation is inadequate.  |                   |               |                  |               |
| Hygiene measures.....                        | Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Wear clean long legged, long sleeved work clothes. Remove soiled clothing and wash it thoroughly before reuse. |                   |               |                  |               |

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance..... paste.

Color..... white.

Odour..... acetic acid odor.

Odour threshold..... no data available.

pH..... no data available.

Melting point (°C)..... not applicable.

Freezing point ( °C)..... no data available.

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## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

|  |                     |
|--|---------------------|
| Initial boiling point ( °C).....             | no data available.  |
| Flash point (°C), Method.....                | >100°C, closed cup. |
| Evaporation rate.....                        | no data available.  |
| Upper flammability limit (% vol).....        | no data available.  |
| Lower flammability limit (% vol).....        | no data available.  |
| Vapour pressure (mm Hg).....                 | no data available.  |
| Vapour density (air=1).....                  | > 1.                |
| Relative density/Specific Gravity.....       | 1.0.                |
| Water solubility.....                        | Immiscible.         |
| Solubility in other solvents.....            | no data available.  |
| Partition coefficient — n-octanol/water..... | no data available.  |
| Auto ignition temperature (°C).....          | > 200 °C.           |
| Thermal decomposition temperature.....       | no data available.  |
| Viscosity.....                               | no data available.  |
| VOC g/l.....                                 | no data available.  |

## SECTION 10: STABILITY AND REACTIVITY

|   |  |
|---|--|
| Reactivity.....                         | No hazardous reactions if stored and handled as prescribed/indicated.  |
| Chemical stability.....                 | The product is stable if stored and handled as prescribed/indicated.   |
| Possibility of hazardous reactions..... | No hazardous reactions when stored and handled according to instructions. The product is chemically stable.  |
| Conditions to avoid.....                | Exposure to air or moisture over prolonged periods. Prolonged heat/light/air exposure.   |
| Incompatible materials.....             | Water, moisture, or humid air can cause hazardous vapors to form. Strong oxidizing agents.   |
| Hazardous decomposition products.....   | No hazardous decomposition products if stored and handled as prescribed/indicated. Toxic gases/fumes may be given off during burning or thermal decomposition. Acetic acid is formed upon contact with water or humid air. |

## SECTION 11: TOXICOLOGICAL INFORMATION

| INGREDIENTS   | LC50  | LD50  |
|---|---|---|
| Distillates (petroleum), hydrotreated middle            | not available   | >2,000 mg/kg (oral-rat); >5,000 mg/kg (dermal-rabbit) |
| Methyltris(methylethylketoxime)silane                   | not available   | >2,000 mg/kg (oral-rat)                               |
| Titanium dioxide  | not available   | > 10,000 mg/kg (oral-rat)                             |
| Carbon black  | not available   | >8,000 mg/kg (oral-rat); >3,000 mg/kg (dermal-rabbit) |
| Routes of exposure                                      |   |   |
| Inhalation.....   | High airborne concentrations of vapors resulting from heating, misting or spraying may cause irritation of the respiratory tract and mucous membranes.    |   |
| Ingestion.....  | May cause irritation of the stomach.  |   |
| Skin contact.....                                       | Contact may cause skin irritation.  |   |
| Eye contact.....  | Irritating to eyes. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.                     |   |
| Acute effects   |   |   |
| Acute oral toxicity.....                                | Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.   |   |
| Acute dermal toxicity.....                              | LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.  |   |
| Acute inhalation toxicity.....                          | Virtually nontoxic by inhalation.   |   |
| Skin corrosion/irritation.....                          | Result: slight irritation.  |   |
| Serious eye damage/eye irritation.....                  | Result: mild eye irritation.  |   |
| Respiratory or skin sensitisation.....                  | Assessment of sensitization: Contains a known or suspected skin sensitizer. Repeated or prolonged contact may cause skin sensitization .                  |   |
| Specific target organ toxicity (STOT) single exposure   | Based on the available information there is no specific target organ toxicity to be expected after a single exposure.                                     |   |
| Aspiration hazard.....                                  | No aspiration hazard expected.  |   |
| Chronic toxicity/effects                                |   |   |
| Specific target organ toxicity (STOT) repeated exposure | No known significant effects or critical hazards.   |   |
| Germ cell mutagenicity.....                             | No known significant effects or critical hazards.   |   |
| Carcinogenicity.....                                    | Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans). Carbon black is listed as IARC Group 2B (possibly carcinogenic to humans). |   |
| Reproductive toxicity.....                              | No known significant effects or critical hazards.   |   |

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**SECTION 11: TOXICOLOGICAL INFORMATION**

Remarks..... Fillers are encapsulated and not expected to be released from product under normal conditions of use. The product has not been tested. The statement has been derived from the properties of the individual components.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity..... May cause long-term adverse effects in the aquatic environment.  
Persistence and degradability..... The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.  
Bioaccumulative potential..... No data available.  
Mobility in soil..... No data available.  
Other adverse effects..... No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal methods  
Waste disposal of substance..... Dispose of in accordance with national, state and local regulations.  
Container disposal ..... Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**SECTION 14: TRANSPORT INFORMATION**

TDG classification..... Not classified as a dangerous good under transport regulations.

**SECTION 15: REGULATORY INFORMATION**

WHMIS regulatory status..... This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.  
Canada inventory..... All components are listed or exempted.

**SECTION 16: OTHER INFORMATION**

Disclaimer..... The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.  
Prepared by: ..... CanChem Consultant  
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