

**SECTION 1 : Identification of the substance/preparation and of the company / undertaking**

**(a) GHS product identifier**

Garreco Accusil Silicone Duplicating Material (All Types) and  
Garreco Silicone Duplicating Material (All Types)

**(e) Emergency phone number**

CHEMTREC 1-800-424-9300  
CCN9105

**(b) Other means of identification**

N/A

**(c) Recommended use of the chemical and restrictions on use**

For professional dental applications.

**(d) Supplier's details**

Garreco, LLC.  
430 Hiram Road  
Heber Springs, AR 72543  
Phone: 1-800-334-1443

**SECTION 2: Hazards identification**

**(a) GHS classification of the substance/mixture**

**Substance Name**

- 1 Quartz
- 2 Platinum (Less than Threshold)

**(b) Label Elements**

**Hazard statements**

None

**Precautionary statements**

None

**Hazard Symbol(s)**

Health hazard

**Signal Word(s)**

Warning

**(c) Other hazards which do not result in classification**

**IF ON SKIN:** Wipe off with cloth or paper and then with soap and water. Seek medical attention if irritation persists.

**IF INHALED:** May cause damage to organs through prolonged or repeated exposure. Seek medical attention if irritation persists.

**IF SWALLOWED:** In cases of sickness, seek medical advice. Show label if possible.

**IF IN EYES:** Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

**SECTION 3: Composition/information on ingredients**

**(a) Chemical(s) Identity:**

**(b) Common Name:**

- 1 Quartz
- 2 Platinum (Less than Threshold)

**(c) CAS No.**

14808-60-7  
74401-06-4

**Mixture:**

**Concentration (Percentage)**

0 - 5.0%  
0 - 0.005%

**SECTION 4: First-aid measures**

**(a) Description of first aid measures:**

**IF ON SKIN (or hair):** Wipe off with cloth or paper and then with soap and water.

**IF INHALED:** Seek medical attention if irritation persists.

**IF SWALLOWED:** In cases of sickness, seek medical advice. Show label if possible.

**IF IN EYES:** Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

**(b) Most important symptoms and effects, both acute and delayed:**

**IF INHALED OR SWALLOWED:** Get medical attention if you feel unwell. Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and miliary nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. In advanced stages, loss of appetite, pleuritic pain, and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP., The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time. Currently, there is a limited understanding of the mechanisms of quartz toxicity, including its mechanisms for lung carcinogenicity. Additional studies are needed to determine whether the cell transforming activity of quartz is related to its carcinogenic potential.

**(c) Indication of any immediate medical attention and special treatment needed:**

Vomiting, burning sensation of the mouth, throat and gastrointestinal tract or abdominal pain.

**SECTION 5: Fire-fighting measures**

**(a) Suitable extinguishing media:**

Water spray, foam, powders, carbon dioxide.

**(b) Special hazards arising from the chemical or mixture:**

Combustible liquid. On heating or during combustion: Toxic and flammable vapors are released.

**(c) Special protective equipment and precautions for fire-fighters:**

Self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

**(a) Personal precautions, protective equipment and emergency procedures:**

Safety Glasses and gloves.

**(b) Environmental precautions:**

Observe local regulations and laws. Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**(c) Methods and material for containment and cleaning up:**

Absorb mechanically and dispose of according to regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to regulations.

**SECTION 7: Handling and storage**

**(a) Precautions for safe handling:**

Ensure adequate ventilation.

**(b) Conditions for safe storage, including any incompatibilities:**

Protect against moisture. Store in original container only. Keep container tightly closed and store in a well-ventilated area.

**SECTION 8: Exposure controls/Personal protection**

**(a) Control parameters:**

| Chemical | ACGIH<br>TLV          | OSHA<br>PEL TWA       |
|----------|-----------------------|-----------------------|
| Platinum | 0.1 mg/m <sup>3</sup> | 0.1 mg/m <sup>3</sup> |

**(b) Appropriate Engineering Controls:**

ND

**(c) Individual protection measures:**

**EYE / FACE PROTECTION:** Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**SKIN PROTECTION:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**SECTION 9: Physical and chemical properties**

|  |  |
|--|--|
| <b>(a) Appearance:</b>                                   | Liquid   |
| <b>(b) Odor:</b>   | Odorless   |
| <b>(c) Odor threshold:</b>                               | ND   |
| <b>(d) pH:</b>   | ND   |
| <b>(e) Melting point / freezing point:</b>               | ND   |
| <b>(f) Initial boiling point and boiling range:</b>      | ND   |
| <b>(g) Flash point</b>                                   | > 200 Degrees Celsius  |
| <b>(h) Evaporation rate (BuAc=1):</b>                    | ND   |
| <b>(i) Flammability:</b>                                 | ND   |
| <b>(j) Upper/lower flammability or explosive limits:</b> | ND   |
| <b>(k) Vapor Pressure:</b>                               | <0.01 kPa at 20 Degrees Celsius  |
| <b>(l) Vapor density:</b>                                | ND   |
| <b>(m) Relative density:</b>                             | ND   |
| <b>(n) Solubility:</b>                                   | Practically insoluble in water.<br>Dispersible (partial solubilisation) in: diethylether, chlorinated solvents, aromatic hydrocarbons (toluene, xylene) aliphatic hydrocarbons |
| <b>(p) Auto-ignition temperature:</b>                    | > 400 Degrees Celsius  |
| <b>(q) Decomposition temperature:</b>                    | > 200 Degrees Celsius  |
| <b>(r) Viscosity:</b>                                    | Approx. 5000 mPa   |

**SECTION 10: Stability and reactivity**

|  |   |
|--|---|
| <b>(a) Reactivity:</b>                         | ND  |
| <b>(b) Chemical stability:</b>                 | Stable at room temperature.   |
| <b>(c) Possibility of hazardous reactions:</b> | ND  |
| <b>(d) Conditions to avoid:</b>                | Strong oxidizing agents   |
| <b>(f) Hazardous decomposition products:</b>   | On combustion or on thermal decomposition (pyrolysis) releases: flammable vapors which may generate fire or explosion hazards. Toxic gases (Carbon oxides (CO + CO <sub>2</sub> )). |

**SECTION 11: Toxicological information**

|                                   |   |
|-----------------------------------|---|
| Acute toxicity                    | LD 50 skin (Rat): >2000mg/kg<br>LD 50 oral (Rat): > 2000mg/kg |
| Skin corrosion/irritation         | ND  |
| Serious Eye Damage / Irritation   | ND  |
| Respiratory or skin sensitization | ND  |
| Germ cell mutagenicity            | ND  |
| Carcinogenicity                   | ND  |
| Reproductive toxicity             | ND  |
| STOT-single exposure              | ND  |
| STOT-repeated exposure            | ND  |
| Aspiration Hazard                 | ND  |

(a) Exposure route: ND

(b) Symptoms related to the physical, chemical and toxicological characteristics:

May cause temporary irritation to ocular mucous membranes.

(c) Delayed and immediate effects and also chronic effects from short and long term exposure:

May cause temporary irritation to ocular mucous membranes.

(d) Numerical measures of toxicity:

Acute toxicity:  
LD 50 skin (Rat): >2000mg/kg.  
LD 50 oral (Rat): >2000mg/kg.

**SECTION 12: Ecological information**

(a) Ecotoxicity:

According to past experience toxicity to fish is improbable.

(b) Persistence and degradability:

Biologically not degradable. Polydimethyl siloxanes are degradable to a certain extent in abiotic processes.

(c) Bioaccumulative potential

Bioaccumulation improbable.

(d) Mobility in soil:

ND

(e) Other adverse effects:

ND

**SECTION 13: Disposal considerations**

**Product:**

**Recommendation**

Prohibition: Do not discharge waste into drains. Destruction/Disposal: Dilute with a flammable solvent and incinerate at a licensed installation. Dispose of at a licensed waste collection point. Un-vulcanized product: Vulcanized product: May be disposed of with non hazardous industrial waste. Contaminated packaging: Decontamination/cleaning: Allow it to drain thoroughly. Rinse with an appropriate solvent. Recover the solvent used for rinsing and incinerate at a licensed site. Entrust the thoroughly decontaminated packaging to a licensed waste-contractor. Dispose of at an approved site

Note: The user's attention is drawn to the possible existence of local regulations regarding disposal.

**SECTION 14: Transport information**

|                                       |               |
|---------------------------------------|---------------|
| <b>(a) UN Number</b>                  | Not regulated |
| <b>(b) UN Proper shipping name</b>    | N/A           |
| <b>(c) Transport hazard class(es)</b> | N/A           |
| <b>(d) Packing Group</b>              | N/A           |
| <b>(e) Environmental hazards</b>      | N/A           |
| <b>(f) Transport in bulk</b>          | N/A           |
| <b>(g) Other Information</b>          | N/A           |

**SECTION 15: Regulatory information**

|  |      |
|--|------|
| <b>SARA Reporting Requirements:</b>      | None |
| <b>SARA Threshold Planning Quantity:</b> | None |
| <b>TSCA Inventory Status:</b>            | None |
| <b>Other Federal Requirements:</b>       | ND   |
| <b>Other Canadian Regulations:</b>       | ND   |
| <b>State Regulatory Information:</b>     | ND   |

**SECTION 16: Other information**

**PREPARED BY:** Kristofer Mainar

**GAR QMS SDS REFERENCE:** A039

**HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:**

|              |         |
|--------------|---------|
| Health       | 1       |
| Flammability | 1       |
| Reactivity   | 0       |
| Other        | Goggles |

**REVISION NUMBER:** 170412

**CHANGES FROM PREVIOUS VERSION:** Replaces A200. Reviewed for accuracy on 3/27/17. Added Chemtrec account number on 4/12/17.

Note: on 11/25/19 this SDS was corrected to show CHEMTREC instead of CHEMTRAC

**Safety Data Sheet**

Form No. A497

**Date Prepared:****4/12/2017****ABBREVIATIONS**

|  |  |
|--|--|
| NA Not Applicable  | LD Lethal Dose                                     |
| ND Not Determined  | TC Toxic Concentration                             |
| NE Not Established   | TD Toxic Dose                                      |
| ppm parts per million  | BOD Biological Oxygen Demand                       |
| G Gallon   | COD Chemical Oxygen Demand                         |
| mg Milligram   | Lo Lowest  |
| L Liter  | ThOD Theoretical Oxygen Demand                     |
| gm Gram  | TLm Threshold Limit                                |
| mol Mole   | IC Inhibitory Concentration                        |
| kg Kilogram  | DOC Dissolved Organic Carbon                       |
| μ Micro  | H Hours  |
| mm Millimeter  | M Months   |
| p Pico   | D Days   |
| Pa Pascals   | Y Years  |
| c cento  | W Weeks  |
| LC Lethal Concentration  | IARC International Agency for Research for Cancer  |
| ACGIH American Conference of Governmental Industrial Hygienist | NOEL No Observed Effect Level                      |
| CPR Controlled Product's Regulation                            | NOAEL No Observed Adverse Effect Level             |
| DSL Canadian Domestic Substances List                          | OSHA Occupational Safety and Health Administration |
| NDSL Canadian Non-domestic Substance List                      | PEL Permissible Exposure Limit                     |
|  | TLV Threshold Limit Value                          |

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED.

THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.