



# Safety Data Sheet

Issue date 17-Jun-2015

Revision date 20-May-2015

Version 1

## 1. Identification

### Product Identifier

**Product name** QSil 556 A

### Other means of identification

### Recommended use of the chemical and restrictions on use

**Recommended use** Industrial silicone elastomer.  
**Application** FOR INDUSTRIAL USE ONLY

### Details of the Supplier of the Safety Data Sheet

| <b>Supplier</b>  | <b>Manufacturer Address</b>                               |
|--|---|
| Quantum Silicones<br>7820 Whitepine Rd<br>Richmond, VA 23237 | Quantum Silicones<br>8021 Reycan Rd<br>Richmond, VA 23237 |

### Emergency Telephone Number

**Company Phone Number** 800-852-3147 (8AM - 5PM EST)  
**Emergency telephone** Chemtrec 1-800-424-9300

## 2. Hazards Identification

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label Elements

#### **EMERGENCY OVERVIEW**

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Viscous liquid      **Physical State** Liquid      **Odor** Negligible

### Hazards Not Otherwise Classified (HNOC)

Not Applicable

### OTHER INFORMATION

Not Applicable.

## 3. Composition/information on Ingredients

### **Substance**

Not Applicable

**Mixture**

| Chemical name              | CAS No      | weight-% | Trade secret |
|----------------------------|-------------|----------|--------------|
| Silica, quartz             | 14808-60-7  | 15 - 40  | *            |
| Synthetic Amorphous Silica | 112926-00-8 | 1 - 5    | *            |

#### 4. First aid measures

**Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin Contact</b> | Wash skin with soap and water.   |
| <b>INHALATION</b>   | Remove to fresh air.   |
| <b>INGESTION</b>    | Clean mouth with water and drink afterwards plenty of water.   |

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Symptoms** No information available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Note to physicians** Treat symptomatically.

#### 5. Fire-fighting measures

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

No information available.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Ensure adequate ventilation, especially in confined areas.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate

containers for disposal. Clean contaminated surface thoroughly.

### 7. Handling and Storage

Precautions for Safe Handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Incompatible with strong acids and bases. Interaction with strong bases can cause liberation of hydrogen.

### 8. Exposure Controls/Personal Protection

Control Parameters

**Ingredients with workplace exposure parameters**

| Chemical name                             | ACGIH TLV  | OSHA PEL   | NIOSH IDLH  |
|---|--|--|---|
| Silica, quartz<br>14808-60-7              | TWA: 0.025 mg/m <sup>3</sup> respirable fraction | (vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust<br>: (30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total dust<br>: (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction<br>: (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction | IDLH: 50 mg/m <sup>3</sup> respirable dust<br>TWA: 0.05 mg/m <sup>3</sup> respirable dust |
| Synthetic Amorphous Silica<br>112926-00-8 | -  | (vacated) TWA: 6 mg/m <sup>3</sup><br>TWA: 20 mppcf<br>: (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA  | -   |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**OTHER INFORMATION** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate Engineering Controls

**Engineering controls** Showers  
Eyewash stations

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Skin and Body Protection** Wear protective gloves and protective clothing.

**Respiratory Protection** No protective equipment is needed under normal use conditions.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

Information on basic physical and chemical properties

|                       |                |                       |                          |
|-----------------------|----------------|-----------------------|--------------------------|
| <b>Physical State</b> | Liquid         | <b>Odor</b>           | Negligible               |
| <b>Appearance</b>     | Viscous liquid | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | Beige          |                       |                          |

|                 |                          |                         |
|-----------------|--------------------------|-------------------------|
| <b>Property</b> | <b>VALUES</b>            | <b>Remarks • Method</b> |
| pH              | No information available |                         |

|                                       |  |                 |
|---------------------------------------|--|-----------------|
| <b>Melting point / Freezing point</b> | No information available               |                 |
| <b>Boiling point / Boiling range</b>  | No information available               |                 |
| <b>Flash point</b>                    | > 140 °C / > 284 °F                    | CC (closed cup) |
| <b>Evaporation rate</b>               | No information available               |                 |
| <b>Flammability (solid, gas)</b>      | No information available               |                 |
| <b>Flammability limit in air</b>      |  |                 |
| <b>Upper flammability limit:</b>      | No information available               |                 |
| <b>Lower flammability limit:</b>      | No information available               |                 |
| <b>Vapor pressure</b>                 | No information available               |                 |
| <b>Vapor density</b>                  | No information available               |                 |
| <b>Relative density</b>               | No information available               |                 |
| <b>Water solubility</b>               | No information available               |                 |
| <b>Solubility in other solvents</b>   | No information available               |                 |
| <b>Partition coefficient</b>          | No information available               |                 |
| <b>Autoignition temperature</b>       | No information available               |                 |
| <b>Decomposition temperature</b>      | No information available               |                 |
| <b>Kinematic viscosity</b>            | No information available               |                 |
| <b>Dynamic viscosity</b>              | 1,000 cps                              |                 |
| <b>Explosive properties</b>           | Not an explosive                       |                 |
| <b>Oxidizing properties</b>           | This product is not an oxidizing agent |                 |

**OTHER INFORMATION**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC content (%)</b>  | No information available |
| <b>Density</b>          | 1.31                     |
| <b>Bulk density</b>     | No information available |

**10. Stability and Reactivity**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**hazardous polymerization**            No information available.

**Conditions to avoid**

No information available.

**Incompatible materials**

Incompatible with strong acids and bases. Interaction with strong bases can cause liberation of hydrogen.

**Hazardous decomposition products**

None known based on information supplied.

**11. Toxicological Information**

**Information on Likely Routes of Exposure**

|                            |                    |
|----------------------------|--------------------|
| <b>Product information</b> | No data available. |
| <b>INHALATION</b>          | No data available. |
| <b>Eye Contact</b>         | No data available. |
| <b>Skin Contact</b>        | No data available. |

**INGESTION**

No data available.

| Chemical name                | Oral LD50           | dermal LD50 | Inhalation LC50 |
|------------------------------|---------------------|-------------|-----------------|
| Silica, quartz<br>14808-60-7 | = 500 mg/kg ( Rat ) | -           | -               |

**Information on Toxicological Effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

| Chemical name                             | ACGIH | IARC    | NTP   | OSHA |
|---|-------|---------|-------|------|
| Silica, quartz<br>14808-60-7              | A2    | Group 1 | Known | -    |
| Synthetic Amorphous Silica<br>112926-00-8 | -     | Group 3 | -     | -    |

*ACGIH (American Conference of Governmental Industrial Hygienists)*  
*A2 - Suspected Human Carcinogen*  
*IARC (International Agency for Research on Cancer)*  
*Group 1 - Carcinogenic to Humans*  
*Not classifiable as a human carcinogen*  
*NTP (National Toxicology Program)*  
*Known - Known Carcinogen*

**Reproductive Toxicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**Target organ effects** EYES, Lungs, Respiratory System.  
**Aspiration Hazard** No information available.

**Numerical Measures of Toxicity - Product information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 27,166.37 mg/kg  
**ATEmix (dermal)** 27,166.37 mg/kg

**12. Ecological Information**

**Ecotoxicity**

**Persistence and Degradability**  
 No information available.

**Bioaccumulation**  
 No information available.

**Other Adverse Effects** No information available

**13. Disposal Considerations**

**Waste Treatment Methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Do not reuse container.

**14. Transport Information**

|                          |               |
|--------------------------|---------------|
| <b><u>DOT</u></b>        | NOT REGULATED |
| <b><u>IATA</u></b>       | NOT REGULATED |
| <b><u>IMDG</u></b>       | NOT REGULATED |
| <b><u>TDG</u></b>        | NOT REGULATED |
| <b><u>MEX</u></b>        | NOT REGULATED |
| <b><u>ICAO (air)</u></b> | NOT REGULATED |
| <b><u>RID</u></b>        | NOT REGULATED |
| <b><u>ADR</u></b>        | NOT REGULATED |
| <b><u>ADN</u></b>        | NOT REGULATED |

**15. Regulatory Information**

**International Inventories**

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>DSL/NDSL</b>      | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>ENCS</b>          | Complies |
| <b>IECSC</b>         | Complies |
| <b>KECL</b>          | Complies |
| <b>PICCS</b>         | Complies |
| <b>AICS</b>          | Complies |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | NO |
| <b>Chronic health hazard</b>             | NO |
| <b>Fire Hazard</b>                       | NO |
| <b>Sudden Release of Pressure Hazard</b> | NO |
| <b>Reactive Hazard</b>                   | NO |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40

CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical name   | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Polydimethylsiloxane, vinyl dimethylsiloxy terminated<br>68083-19-2 | X          | X             | X            |
| Silica, quartz<br>14808-60-7  | X          | X             | X            |
| Synthetic Amorphous Silica<br>112926-00-8                           | X          | X             | X            |

**U.S. EPA Label information**

EPA Pesticide registration number Not Applicable

**16. Other information, including date of preparation of the last revision**

|             |                  |                |                    |   |
|-------------|------------------|----------------|--------------------|---|
| <b>NFPA</b> | Health Hazards 0 | Flammability 1 | Instability 0      | - |
| <b>HMIS</b> | Health Hazards 0 | Flammability 1 | Physical Hazards 0 | - |

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Revision note  
No information available

**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. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**