



# Safety Data Sheet

Issue date 17-Jun-2015

Revision date 20-May-2015

Version 1

## 1. Identification

### Product Identifier

**Product name** QLE 1051

### Other means of identification

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

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

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

<b>Supplier</b>	<b>Manufacturer Address</b>
Quantum Silicones 7820 Whitepine Rd Richmond, VA 23237	Quantum Silicones 8021 Reygan Rd 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**

#### **WARNING**

#### **hazard statements**

Very toxic to aquatic life



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

### **Precautionary Statements - Prevention**

Avoid release to the environment

Collect spillage

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)**

Not Applicable

**OTHER INFORMATION**

Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

**3. Composition/information on Ingredients**

**Substance**

Not Applicable

**Mixture**

Chemical name	CAS No	weight-%	Trade secret
Silica, quartz	14808-60-7	15 - 40	*
Zinc Oxide	1314-13-2	5 - 10	*

**4. First aid measures**

**Description of first aid measures**

- Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- Skin Contact** Wash skin with soap and water.
- INHALATION** Remove to fresh air.
- INGESTION** 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** Use personal protective equipment as required.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

**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** Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

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

**Storage Conditions** Keep container tightly closed in a dry 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 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	(vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust : (30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total dust : (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Zinc Oxide 1314-13-2	STEL: 10 mg/m <sup>3</sup> respirable fraction TWA: 2 mg/m <sup>3</sup> respirable fraction	TWA: 5 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> fume (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) STEL: 10 mg/m <sup>3</sup> fume (vacated)	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> dust TWA: 5 mg/m <sup>3</sup> dust and fume STEL: 10 mg/m <sup>3</sup> fume

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**        When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

**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		

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / Freezing point	No information available	
Boiling point / Boiling range	No information available	
Flash point	> 140 °C / > 284 °F	CC (closed cup)
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability limit in air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	14,500 cps	
Explosive properties	Not an explosive	
Oxidizing properties	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>	1.50
<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.

**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.
<b>INGESTION</b>	No data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Silica, quartz 14808-60-7	= 500 mg/kg ( Rat )	-	-
Zinc Oxide 1314-13-2	> 5000 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 14808-60-7	A2	Group 1	Known	-

*ACGIH (American Conference of Governmental Industrial Hygienists)  
 A2 - Suspected Human Carcinogen  
 IARC (International Agency for Research on Cancer)  
 Group 1 - Carcinogenic to Humans  
 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) 20,285.00 mg/kg  
 ATEmix (dermal) 35,970.62 mg/kg

**12. Ecological Information**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects

**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.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Zinc Oxide 1314-13-2	Toxic

**14. Transport Information**

**DOT** NOT REGULATED

**TDG**

**MEX** NOT REGULATED

**ICAO (air)** NOT REGULATED

**IATA** NOT REGULATED

**IMDG** NOT REGULATED

**RID** NOT REGULATED

**ADR** NOT REGULATED

**ADN** NOT REGULATED

**15. Regulatory Information**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Zinc Oxide - 1314-13-2	1.0

**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 contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc Oxide 1314-13-2	-	X	-	-

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**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 dimethyl siloxy terminated 68083-19-2	X	X	X
Silica, quartz 14808-60-7	X	X	X
Zinc Oxide 1314-13-2	X	X	X
Silicic acid Sodium salt, reaction products with Chlorotrimethyl silane and MethylVinyl dimethoxy silane 502164-41-2	X	X	X

Dimethyl, methylhydrogen siloxane 68037-59-2	X	X	X
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**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**