



# Safety Data Sheet

Issue date 17-Jun-2015

Revision date 20-May-2015

Version 1

## 1. Identification

### Product Identifier

**Product name** QSil 216 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

Supplier	Manufacturer Address
Quantum Silicones 7820 Whitepine Rd Richmond, VA 23237	Quantum Silicones 8021 Reycon 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

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
Siloxanes and Silicones di-Me vinyl group-terminated	68083-19-2	60 - 100	*
Silicic acid Sodium salt, reaction products with Chlorotrimethyl silane and MethylVinyl dimethoxy silane	502164-41-2	10 - 30	*
Platinum(0)-1,3-divinyl-1,1,3,3-tetramethyldisiloxane complex	68478-92-2	<0.1	*
1,1,3,3-tetramethyl-1,3 -divinyldisiloxane	2627-95-4	<0.1	*
Xylene	1330-20-7	<0.1	*

**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** 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** None known based on information supplied.

**8. Exposure Controls/Personal Protection**

Control Parameters

**Ingredients with workplace exposure parameters**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	-

**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>	Clear		

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
<b>pH</b>	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>	4,000 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>	1.02
<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**

None known based on information supplied.

**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
Siloxanes and Silicones di-Me vinyl group-terminated 68083-19-2	> 16 mL/kg ( Rat )	> 16 mL/kg ( Rabbit )	-
1,1,3,3-tetramethyl-1,3-divinylidisiloxane 2627-95-4	> 10 g/kg ( Rat )	-	-
Xylene 1330-20-7	= 3500 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h

**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** 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
Xylene 1330-20-7	-	Group 3	-	-

**Reproductive Toxicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**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)** 15,975.26 mg/kg  
**ATEmix (dermal)** 15,975.26 mg/kg

**12. Ecological Information**

**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Xylene 1330-20-7	-	30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 19: 96 h Lepomis macrochirus mg/L LC50 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.4: 96 h Pimephales promelas mg/L LC50 flow-through 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static	0.6: 48 h Gammarus lacustris mg/L LC50 3.82: 48 h water flea mg/L EC50

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical name	Partition coefficient
Xylene 1330-20-7	3.15

**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.

**14. Transport Information**

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

TCSI - Taiwan Chemical Substance Inventory

**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

Chemical name	SARA 313 - Threshold Values %
Xylene - 1330-20-7	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard	NO
Chronic health hazard	NO
Fire Hazard	NO
Sudden Release of Pressure Hazard	NO
Reactive Hazard	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
Xylene 1330-20-7	100 lb	-	-	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)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Silicic acid Sodium salt, reaction products with Chlorotrimethyl silane and MethylVinyl dimethoxy silane 502164-41-2	X	-	-
Xylene 1330-20-7	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
Siloxanes and Silicones di-Me vinyl group-terminated 68083-19-2	X	X	X
Silicic acid Sodium salt, reaction products with Chlorotrimethyl silane and MethylVinyl dimethoxy silane 502164-41-2	X	X	X
Xylene 1330-20-7	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**