



A CHT GROUP  
COMPANY  
**CHT**

# Safety Data Sheet

Issue date 17-Jun-2015

Revision date 20-May-2015

Version 1

## 1. Identification

### Product Identifier

**Product name** QSil DBT

### 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 Reycan 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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 2
Acute toxicity - Dermal	Category 3

### Label Elements

#### EMERGENCY OVERVIEW

**DANGER**

#### hazard statements

FATAL IF SWALLOWED  
Toxic in contact with skin



**Appearance** Viscous liquid

**Physical State** Liquid

**Odor** Negligible

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Specific treatment (see Section 4)  
 IF ON SKIN: Wash with plenty of soap and water  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 Remove/Take off immediately all contaminated clothing  
 Wash contaminated clothing before reuse  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Rinse mouth

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**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
Dibutyltin Dilaurate	77-58-7	60 - 100	*

**4. First aid measures**

**Description of first aid measures**

**General Advice** Immediate medical attention is required.

**Eye Contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

**Skin Contact** Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**INHALATION** Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

**INGESTION** Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water.

**Self-Protection of the First Aider** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

**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** Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

**5. Fire-fighting measures**

**Suitable Extinguishing Media**

Dry chemical, CO2 or water spray. Dry chemical, CO2, alcohol-resistant foam or water spray. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.

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

**Specific Hazards Arising from the Chemical**

Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).

**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. Keep people away from and upwind of spill/leak.

**OTHER INFORMATION** Do not get water inside containers or in contact with substance.

**Environmental Precautions**

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. 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. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

**Methods for Cleaning Up** Cover liquid spill with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required. Dam up. 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** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**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
Dibutyltin Dilaurate 77-58-7	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) S*	IDLH: 25 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn

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** Tight sealing safety 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. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

**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>	Light yellow		

<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	> 250 °C / 482 °F	
Flash point	> 232 °C / > 450 °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	50 cps	
Explosive properties	Not an explosive	
Oxidizing properties	This product is not an oxidizing agent	

**OTHER INFORMATION**

**Softening point** No information available

**Molecular weight** No information available  
**VOC content (%)** No information available  
**Density** 1.05  
**Bulk density** 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**

**Product information** No data available.  
**INHALATION** No data available.  
**Eye Contact** No data available.  
**Skin Contact** No data available.  
**INGESTION** No data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Dibutyltin Dilaurate 77-58-7	= 175 mg/kg ( Rat ) = 45 mg/kg ( Rat )	= 630 mg/kg ( Rabbit )	-

**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).

*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*

<b>Reproductive Toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Chronic Toxicity</b>	May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
<b>Target organ effects</b>	EYES, Lungs, Respiratory System, Blood, Central Nervous System, Kidney, Liver, skin, Urinary tract.
<b>Aspiration Hazard</b>	No information available.

**Numerical Measures of Toxicity - Product information**

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

<b>ATEmix (oral)</b>	45.00 mg/kg
<b>ATEmix (dermal)</b>	630.00 mg/kg

**12. Ecological Information**

This product contains a chemical which is listed as a severe marine pollutant according to DOT.

**Ecotoxicity**

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other Adverse Effects**

No information available

**13. Disposal Considerations**

**Waste Treatment Methods**

<b>Disposal of wastes</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
<b>Contaminated Packaging</b>	Do not reuse container.
<b>US EPA Waste Number</b>	D002

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

**14. Transport Information**

**DOT**

<b>UN/ID no</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive Liquid, n.o.s (Dibutyl Tin Dilaurate)
<b>Hazard class</b>	8
<b>Packing group</b>	III
<b>Special Provisions</b>	IB3, T7, TP1, TP28
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a severe marine pollutant according to DOT.
<b>Description</b>	UN1760, Corrosive liquid, n.o.s., , 8, III
<b>Emergency Response Guide Number</b>	154

**IATA**

<b>UN/ID no</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.* (Dibutyl Tin Dilaurate)
<b>Hazard class</b>	8
<b>Packing group</b>	III
<b>ERG Code</b>	8L
<b>Special Provisions</b>	A3, A803

**IMDG**

<b>UN/ID no</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.* (Dibutyl Tin Dilaurate)
<b>Hazard class</b>	8
<b>Packing group</b>	III
<b>EmS-No</b>	F-A, S-B
<b>Special Provisions</b>	274, 223

<b>15. Regulatory Information</b>
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**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

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	YES
<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 does not contain any Proposition 65 chemicals

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

**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>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Instability</b> 0	-
<b>HMIS</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Physical Hazards</b> 0	-

**Issue date** 17-Jun-2015  
**Revision date** 20-May-2015

**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**