

SILTECH CORP.

Material Safety Data Sheet

Silquat D2
MSDS NR: 3680

Revised: November 3, 2006

SECTION 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

<u>Material Identification:</u> Silquat D2	<u>Company Identification:</u> Siltech Corp.
<u>Chemical Name:</u> Organomodified polydimethylsiloxane	225 Wicksteed Avenue
<u>CTFA Name:</u> None	Toronto, Ont.
	M4H 1G5
	(416) 424-4567

SECTION 2. Composition/Information On Hazardous Ingredients

<u>CAS NR</u>	<u>Wt %</u>	<u>Components</u>
588707-20-4	55 - 75	Organomodified polydimethylsiloxane
000107-41-5	25 - 45	Hexylene Glycol

THIS MATERIAL IS FOR INDUSTRIAL USE ONLY, NOT FOR FOOD, MEDICAL OR DRUG USE.

SECTION 3. HAZARDS IDENTIFICATION

There are no potential health effects expected from handling this material. Good manufacturing practices are always recommended when handling any chemical.

Eyes: Very irritating, experienced as stinging and discomfort or pain. Excess redness and swelling of the conjunctiva may occur. Injury to the cornea is not expected.

Skin: Brief contact is not irritating. Prolonged contact causes mild to moderate local redness and swelling.

Inhalation: Slight irritation to respiratory passages is expected from relatively short exposures of less than 8 hours.

Oral: Abdominal discomfort, nausea and vomiting may occur. Drowsiness may occur.

Repeated exposure effects:

Skin: Slight irritation.

Inhalation: Slight irritation to respiratory passages is expected.

Oral: Slightly dangerous characterized by abdominal discomfort.

Comments: None.

SECTION 4. FIRST AID MEASURES

Eyes: Immediately flush with water for 15 minutes. Obtain medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.

Inhalation: If first aid is required move victim to fresh air.

Oral: If patient is fully conscious, give two glasses of water. Induce vomiting. Obtain medical attention.

Notes to Physician: Severe eye irritant. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Comments: Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: >100 C (open cup)

Autoignition Temperature: 425 C

Flammability Limits in Air: Not determined.

Extinguishing Media: Apply all-purpose-type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

Fire Fighting Procedures: Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and body-covering protective clothing.

Hazardous Decomposition Products: Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate since some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal, Provincial and local regulations that may apply to the clean up of this material.

SECTION 7. HANDLING AND STORAGE

Handling (Personnel): Safety Glasses and PVC Gloves.

Storage: Keep container tightly closed. Product is "non-hazardous".

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Local Exhaust: None should be needed.
General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: No special protection is needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

Personal Protective Equipment for Spills

Eyes: Use proper protection - safety glasses with side shields as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact.

WARNING

Causes eye irritation. Avoid contact with eyes.

Wash thoroughly after handling.

Combustible. Keep away from heat and flame.

Note: These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added precautions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Physical form:</u>	Liquid	<u>Viscosity:</u>	Not available
<u>Colour:</u>	Clear Liquid	<u>Melting Point:</u>	Not applicable
<u>Odour:</u>	Mild	<u>Boiling point:</u>	>80 C @ 760 mmHg
<u>Specific Gravity @ 25C:</u>	0.97 gm/ml	<u>Vapour Pressure @ 25C:</u>	Not determined
<u>Solubility in Water:</u>	Soluble	<u>pH:</u>	Not determined

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Materials to Avoid: None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Daphnia acute toxicity – 48 hr. EC50 value is 6.6mg/L. The 48 hr no observed effect concentration (NOEC) is 2.5mg/L

Rainbow Trout Acute Toxicity – 96 hr. LC50 is 3.3mg/L. The 96 hr NOEC is 1.3mg/L

Acute Oral Toxicity in rats – the LD50 is greater than 2,000mg/kg of body weight in female rats.

SECTION 12. ECOLOGICAL INFORMATION

Optional Section - Complete information not yet available.

SECTION 13. DISPOSAL CONSIDERATIONS

Landfill and/or incineration where permitted under Federal, Provincial or local laws. Observe all local, Provincial, and Federal waste management regulations.

SECTION 14. TRANSPORTATION INFORMATION

Shipping Name: Not applicable

Technical Name: Not applicable

Primary Class: Not applicable

Subsidiary Risk: Not assessed

Product Identification Number: Not applicable

Packing Group: Not applicable

SECTION 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the CPR, and this MSDS contains all the information required by the CPR.

WHMIS Classification: This product is not subject to WHMIS regulations

SECTION 16. OTHER INFORMATION

The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This data is offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Responsibility for MSDS:

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