

Safety Data Sheet

Material: **SilCote - Part A**

Version: 1

Revision Date: 10/01/2015



Prepared in accordance with GHS standard
& Annex II - EC regulation 1907/2006 and amendments

SDS No: 151001

SECTION 1. IDENTIFICATION

Material Identification: SilCote - Part A

Chemical Name: Epoxy Polysiloxane with functional groups

Chemical Classification: Silicone

CAS #: Proprietary

Recommended Product Usage

Paint, Coatings

Company Identification: Liquiguard Technologies Inc.

5807 N Andrews Way

Fort Lauderdale, FL. 33612

USA

954-566-0996

24-HOUR EMERGENCY RESPONSE TELEPHONE NUMBER:

(954) 566-0996 (Normal Business Hours)

USE IN CASE OF A DANGEROUS GOODS EMERGENCY

SECTION 2. HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION:

Not Hazardous.

GHS LABEL ELEMENTS (including precautionary statements):

Symbol: None.

Signal Word: None.

Hazard Risk Statement: Not Hazardous.

Precautionary Statement:

Prevention: P262: Do not get in eyes, on skin or on clothing.

Response: P305 + P351: IF IN EYES: Rinse with water for several minutes. Repeat if needed.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

Storage: P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal: P501: Dispose of contents/container in accordance with local / regional / national /international regulations.

OTHER HAZARD (risk not included in classification):

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on ingredients:

Chemical Name	Common Name or Synonym	CAS No.	EINECS/ELINCS No.	% (w/w)	GHS Classification	Classification according to Directive 67-548/EEC
	4,4-Isopropylidenedicyclohexanol oligomeric reaction with a chloro-	30583-72-3		<50		

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	2-6-epoxypropane				
	Alkoxy silicone resin	68957-04-0		>50	
	Methanol	67-56-1		<1	

Type: HYD - by-product upon hydrolysis, INHA - ingredient, NEBE - by-product, MONO - residual monomer, VERU - impurity, VUL - by-product upon vulcanization. *** **Note:** C1 - IARC carcinogen, C2 - NTP carcinogen, C3 - OSHA carcinogen, NH - nonhazardous, R - reproductive toxin.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in Section 2 are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for noncarcinogenic HAPS or they are inextricably bound in the product.

SECTION 4. FIRST AID MEASURES

Eyes: No first aid should be needed. If discomfort occurs, flush with water.

Skin: No first aid should be needed.

Inhalation: No first aid should be needed. If discomfort occurs, remove to fresh air.

Ingestion: No first aid should be needed. If discomfort occurs, obtain medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry powder, foam, or water spray. Water can be used to cool fire exposed containers.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical: Silicon Dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

Special Protective Actions for Fire-Fighters: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Use water spray to cool fire exposed containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment: Avoid eye and skin contact. Use personal protective equipment.

Environmental Precautions: Prevent from entering drains or water sources.

Containment/Clean up: 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.

SECTION 7. HANDLING AND STORAGE

Handling Precautions: Avoid eye and skin contact. Do not take internally. Use with adequate ventilation. Wash after handling. Exercise good industrial hygiene practice.

Storage Conditions: Keep container tightly closed and away from oxidizing materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMIT VALUES / BIOLOGICAL LIMIT VALUES:

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Industrial Hygiene Standards

Ingredient

CAS No.

Exposure Limit

None known.

ENGINEERING CONTROLS:

Local Ventilation: None should be needed.

General ventilation: Recommended.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory protection: In the case of vapour formation use a respirator with an approved filter.

Hand protection: Gloves are not normally required.

Eye protection: Safety glasses should be worn.

Skin protection: Protective equipment is not normally required.

Hygiene measures: Observe good industrial hygiene practices. Wash after handling.

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

Appearance:	Clear Liquid
Viscosity@25°C:	approx. 400 mPa.s at 25 °C (77 °F) (DIN 51562)
Colour:	Colourless to Hazy
Melting/Freezing Point:	Not determined
Odour:	Slight
Initial Boiling Point:	>100°C @ 760 mmHg
Odour Threshold:	Not determined
Boiling Range:	Not determined
Flash Point:	>100°C (Pensky-Martens closed cup)
Explosive Properties:	for released methanol: 5.5 - 44%(V).
Flammability:	Not determined
Vapour Pressure @25°C:	Not determined
Flammability Limits:	Not determined
Vapour Density:	Not determined
Auto-ignition Temperature:	Not determined Partition Coefficient Not determined
Decomposition Temperature:	Not determined pH: Not determined
Specific Gravity @25°C:	1.14
Oxidising Properties:	No
Solubility in Water:	Insoluble
Evaporation Rate:	Not determined

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizing material can cause a reaction.

Hazardous Decomposition Products: The following decomposition products may form during fire or at very high temperatures: Carbon Oxides, Silicon dioxide, Formaldehyde, and traces of incompletely burned carbon compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE:

Respiratory:

Exposure is expected.

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Oral: Exposure is expected.
Eye, Skin: Exposure is expected.

INFORMATION ON THE HEALTH HAZARDS:

Acute Toxicity: None known.

Eyes: Direct contact may cause temporary redness and discomfort.
Skin: No significant irritation expected from a single short-term exposure.
Inhalation: No significant irritation expected from a single short-term exposure.
Ingestion: Low ingestion hazard in normal use.

Chronic Toxicity:

Skin: No known applicable information.
Inhalation: No known applicable information.
Ingestion: Repeated ingestion or swallowing large amounts may injure internally.
Other Health Hazard No known applicable information.
Skin Corrosion/Irritation: No known applicable information.
Serious Eye Damage/Irritation: No known applicable information.
Respiratory Sensitization: No known applicable information.
Skin Sensitization: No known applicable information.
Carcinogenicity: No known applicable information.
Germ Cell Mutagenicity: No known applicable information.
Reproductive Toxicity: No known applicable information.
Specific Target Organ: No known applicable information.
(Systemic Toxicity – Single exposure)
Specific Target Organ: No known applicable information.
(Systemic Toxicity – Repeated exposure)
Aspiration Hazard: No known applicable information.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Environmental Effects

Acute: No adverse effects on aquatic organisms.
Chronic: No adverse effects on aquatic organisms.

PERSISTENCE AND DEGRADABILITY:

Degradation: In soil, siloxanes are degraded.
Environmental Fate and Distribution: Siloxanes are removed from water by sedimentation sewage or binding to sludge.

BIOACCUMULATIVE POTENTIAL:

Bioaccumulation: No bioaccumulation potential.

MOBILITY IN SOIL: None known.

OTHER ADVERSE EFFECTS: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

Product Disposal: Do not dispose of waste into sewer. Dispose of in accordance with local regulations.

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Packaging Disposal: Dispose of in accordance with local regulations.

SECTION 14. TRANSPORTATION INFORMATION

AIR TRANSPORT (IATA):	Not subject to IATA regulations.
SEA TRANSPORT (IMDG):	Not subject to IMDG code.
ROAD / RAIL	
US DOT (49 CFR 172.101):	Not subject to DOT regulations.
CANADA TDG:	Not subject to TDG regulations.
ADR/RID:	Not subject to ADR/RID regulations.

SECTION 15. REGULATORY INFORMATION

CHEMICAL INVENTORIES:

TSCA:	All ingredients are on the inventory.
NDSL:	All ingredients are on the inventory.
EINECS:	All ingredients are on or exempted from the inventory.
AICS:	All ingredients are on the inventory.
MITI:	All ingredients are on the inventory.
CSNN:	All ingredients are on the inventory.

CANADA

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

WHMIS Classification: This product is not subject to WHMIS regulations.

USA

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances (40 CFR 355):	None
Section 304 CERCLA Hazardous Substances (40 CFR 302):	None
Section 311/312 Hazard Class (40 CFR 370):	Acute: No ; Chronic: No ; Fire: No ; Pressure: No ; Reactive: No
Section 313 Toxic Chemicals (40 CFR 372):	None

Supplemental State Compliance Information

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm: **None known.**

Massachusetts / New Jersey / Pennsylvania

No ingredients regulated by MA/NJ/PA Right-to-know Laws present.

EEC

Labelling according to EEC Directive

S-phrases: S51 (Use only in well-ventilated areas)

R-phrases: **NONE**

GERMANY

Wassergefährdungsklasse (water hazard class) : WGK 1

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SECTION 16. OTHER INFORMATION

HMIS III

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

0 = NOT SIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME
* = CHRONIC

The data in this SDS 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.

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