

Product Name: SCT-EP (Part A)
Revision Date 01/01/2016

SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [SCT-EP \(Part A\)](#)
Product Description: 2-part epoxy crack treatment (resin)
Intended Use: Treating static cracks and spalls in concrete

Company

Manufacturer: SureCrete Design Products, Inc.
15246 Citrus Country Drive
Dade City, FL 33523
USA
Contact: 352-567-7973 (telephone general)
800-262-8200 Chemtrec
+1 703-741-5500 Chemtrec International
info@surecretedesign.com (e-mail)
352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin sensitization (Category 1), H315
Skin corrosion/irritation (Category 2), H315
Germ cell mutagenicity (Category 2), H341
Chronic aquatic toxicity (Category 1), H411

GHS Label Elements

Hazard Symbols:



Signal word: Warning

Label Hazard Statements

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H341: Suspected of causing genetic defects.
H411: Toxic to aquatic life with long-lasting effects.

Label Precautionary statements

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.
P264: Wash thoroughly after handling.



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- P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/clothing and eye/face protection.
 P302+352: IF ON SKIN: Wash with plenty of water.
 P308+313: IF exposed: Call a POISON CENTER or doctor/physician.
 P332+313: If skin irritation occurs: Get medical advice/attention.
 P333+313: If skin irritation or a rash occurs: Get medical advice/attention.
 P362: Take off contaminated clothing.
 P363: Wash contaminated clothing before reuse.
 P391: Collect spillage.
 P405: Store locked up.
 P501: Dispose of contents/container to in accordance with local/regional/national/international regulation.

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Hazardous			
Reaction products of Epichlorohydrin and Bisphenol	25085-99-8	NE	<100%
Oxirane, mon[(C12-14-alkyloxy) methyl]	68609-97-2	NE	<25%
dervis 1-chloro-2,3-epoxypropane	106-89-8	NE	<0.1%

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers). The exact percentage of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

Skin Contact: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. Do not pull solidified product off the skin. If skin irritation continues, consult a doctor.

Eye Contact: Protect unharmed eye. Rinse opened eye for several minutes under running water. Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor.

Ingestion: Seek immediate medical attention. Do not induce vomiting. Rinse out mouth and then drink plenty of water.

Most important symptoms and effects, both acute and delayed: Allergic reactions, Nausea, Dizziness.

Hazards: Danger of impaired breathing.

Indication of any immediate medical attention and special treatment needed: Treat skin and mucous membrane with antihistamine and corticoid preparations. Monitor circulation.



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SECTION 5 Fire Fighting Measures

Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Fire Fighting Instructions: Wear self-contained breathing apparatus. Wear protective equipment.

Unusual Fire Hazards: Formation of toxic gases is possible during heating or in case of fire, the following can be released: Nitrogen oxides (NO_x) and Carbon monoxide (CO). Under certain fire conditions, traces of other toxic gases cannot be excluded.

SECTION 6 Accidental Release Measures

Personal Precautions, Protective Equipment, Emergency Procedures: Use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

Methods and Materials for Containment and Clean-up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13.

Environmental precautions: Do not allow to enter drainage system, surface or ground water.

SECTION 7 Handling and Storage

Handling: Prevent formation of aerosols. Ensure good ventilation/exhaustion at the workplace.

Storage: Store away from oxidizing agents. Store away from foodstuffs. Do not store together with acids. Store in cool, dry conditions in well-sealed receptacles.

SECTION 8 Exposure Control / Personal Protection

Engineering Controls: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

Exposure controls

Personal protection equipment:

Respiratory protection: use suitable respiratory protective device when aerosol or mist is formed. Use suitable respiratory protective device when high concentrations are present.

Hand protection: suitable protective gloves, glove material has to be impermeable and resistant to the product.

Eye protection: Contact lenses should not be worn. Safety glasses. Goggles recommended during refilling.

Skin and body protection: suitable protective clothes and boots.

General: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

SECTION 9 Physical and Chemical Properties

Appearance: Liquid

Color: Light yellowish

Odor: Ammonia-like

pH: No data available



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Melting point: No data available

Boiling point: 220°C / 428°F

Flash point: 150°C / 302 °F

Evaporation rate: No data available

Flammability (solid, gas): No data available

Vapor pressure at 20°C: No data available

Vapor density at 20°C (air = 1): 0.96 g/cm

Relative density: (20°C / 68°F) 1g/cm³

Solubility in / Miscibility with water: No data available

Partition coefficient: No data available

Self-igniting: No data available

Danger of explosion: Product does not present an explosion hazard.

Viscosity: No data available

SECTION 10 Stability and Reactivity

Stability: Stable under normal conditions.

Reactivity: Not available.

Conditions to avoid: Store away from oxidizing agents.

Materials to avoid: Reacts with oxidizing agents. Reacts with amines.

Hazardous decomposition products: Ammonia. Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx).

SECTION 11 Toxicological Information

Route of Exposure

Skin Contact: Irritating effect on skin and mucous membranes.

Eye Contact: Eye irritation.

Sensitization: Sensitization possible through skin contact. Sensitizing effect through inhalation is possible by prolonged exposure.

Additional toxicological information: Inhalation of concentrated vapors as well as oral intake will lead to anesthesia-like conditions and headache, dizziness, etc. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach. In addition to local irritant manifestations, there is a narcotic effect when inhaling high concentrations, with the danger of central respiratory arrest.

Repeated dose toxicity: May cause damage to organs through prolonged or repeated exposure. Repeated exposures may result in skin and/or respiratory sensitivity.

SECTION 12 Ecological Information

Aquatic toxicity: The product contains materials that are harmful to the environment.

Biological degradability: The product is not easily, but potentially biodegradable.



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Mobility in soil: No further relevant information available.

Additional ecological information: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

SECTION 13 Disposal Considerations

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulation.

Uncleaned packaging: Disposal must be made according to official regulations.

Section 14 Transport Information

International transport regulations

UN number: UN3082

UN proper shipping name: Environmentally hazardous substances liquid, n.o.s. (Epoxy Resin)

Class: 9 Corrosive substances.

Packing group: III

Marine pollutant: Reaction products of Epichlorohydrin and Bisphenol

SECTION 15 Regulatory Information

US federal regulations:

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): All ingredients listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: CAS # 106-89-8 1-chloro-2,3-epoxypropane

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: CAS # 106-89-8 1-chloro-2,3-epoxypropane.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic Categories

EPA (Environmental Protection Agency) None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH) None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): CAS # 106-89-8 1-chloro-2,3-epoxypropane

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients are listed.

SECTION 16 Other Information



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Recommended restriction: for use by trained professionals, having read the complete SDS

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
NFPA	2	1	0

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