

Product Name: Dura-Kote Epoxy 100 (Part B)

Revision Date 01/01/2016

SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [Dura-Kote Epoxy 100 \(Part B\)](#)

Product Description: 100% Solid Clear Epoxy (Part B)

Intended Use: High performance interior epoxy floor coating / catalyst

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)

Acute toxicity, Oral (Category 4), H302

Skin corrosion (Category 1B), H314

Serious eye damage (Category 1), H318

Reproductive toxicity (Category 2), H361

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

GHS Label Elements

Hazard Symbols:



Signal word: Danger

Label Hazard Statements

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H361f: Suspected of damaging fertility or the unborn child.

H361d: Suspected of damaging the unborn child.

H410: Very toxic to aquatic life with long lasting effects.



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Label Precautionary statements

- P260: Do not breathe dust/fumes/gas/mist/vapors/spray.
 P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.
 P264: Wash ... thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/clothing and eye/face protection.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P301+P330+P331+312: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/ doctor if you feel unwell.
 P304+340+310: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
 P308+313: IF exposed: Call a POISON CENTER or doctor/physician
 P363: Wash contaminated clothing before reuse.
 P391: Collect spillage.
 P405: Store locked up.
 P403+233: Store in a well ventilated place. Keep container tightly closed.
 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			
Benzyl alcohol	100-51-6	202-859-9	<60%
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1- chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	38294-64-3	NE	<40%
Isophorone Diamine	2855-13-2	220-666-8	<30%
4-nonylphenl, branched	84852-15-3	284-325-5	<5%

The exact percentage of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

General Information: Take affected persons out into the fresh air. Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Inhalation: Move to fresh air. Seek medical help.

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.



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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: Nausea; Cramp; Coughing; Dizziness; Breathing difficulty; Headache.

Hazards: Danger of gastric perforation; Condition may deteriorate with alcohol consumption.

Indication of any immediate medical attention and special treatment needed: If swallowed, gastric irrigation with added, activated carbon. In cases of irritation to lungs, initial treatment with corticosteroids inhalants. Medical supervision for at least 48 hours. If necessary oxygen respiration treatment. Later observation for pneumonia and pulmonary edema. Monitor circulation, possible shock treatment. Treat skin and mucous membrane with antihistamine and corticoid preparations.

SECTION 5 Fire Fighting Measures

Appropriate Extinguishing Media: Foam, CO₂, Dry chemical, water spray or fog.

Inappropriate Extinguishing Media: Solid streams of water; high pressure water jet.

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.

Additional information: Cool endangered receptacles with water spray.

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. Product forms slippery surface when combined with water.

Methods and Materials for Containment and Clean-up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Clean the affected area carefully; suitable cleaners are: warm water and cleansing agent. Dispose of as hazardous waste.

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

SECTION 7 Handling and Storage

Handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Keep receptacles tightly sealed. Take note of emission threshold. Keep ignition sources away - Do not smoke.

Storage: Keep away from food and drink. Keep container tightly sealed. Store containers in a well ventilated area. Ensure good ventilation/exhaustion at the workplace. Store away from oxidizing agents and acidic materials.

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SECTION 8 Exposure Control / Personal Protection

Ingredients with limit values that require monitoring at the workplace:

100-51-6 Benzyl alcohol / WEEL: 10ppm

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. Do not inhale gases / fumes / aerosols.

SECTION 9 Physical and Chemical Properties

Appearance: Liquid

Color: Light yellowish

Odor: Ammonia-like

pH: No data available

Melting point: No data available

Boiling point: >205°C / >401°F

Flash point: 96°C / 203 °F

Evaporation rate: No data available

Flammability (solid, gas): Not applicable

Explosive limits:

Lower: 1.3 Vol %

Upper: 13.0 Vol %

Vapor pressure at 20°C: 0.1 hPa

Vapor density: No data available

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

Solubility in / Miscibility with water: Fully miscible.

Partition coefficient: No data available

Ignition temperature: 435°C / 815 °F

Decomposition temperature: No data available

Self-igniting: Product is not self-igniting.

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.



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Conditions to avoid: Keep ignition sources away - Do not smoke. Store away from oxidizing agents.

Materials to avoid: Reacts with strong acids and oxidizing agents. Reacts with peroxides and other radical forming substances. Reacts with strong alkali.

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

SECTION 11 Toxicological Information

Route of Exposure

Skin Contact: Caustic effect on skin and mucous membranes.

Eye Contact: Serious eye damage / eye irritation.

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

Additional toxicological information: Inhalation of concentrated vapors as well as oral intake will lead to anaesthesia-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.

Component Information

Chemical Name	Oral LD50	Dermal LD50
Benzyl alcohol 100-51-6	1230 mg/kg (Rat)	2000 mg/kg (Rabbit)
3-aminomethyl-3,5,5-trimethylcyclohexylamine 2855-13-2	1030 mg/kg (Rat)	No data available
4-nonylphenl, branched 84852-15-3	1412 mg/kg (Rat)	No data available

Repeated dose toxicity: May cause damage to organs through prolonged exposure.

Carcinogenicity, mutagenicity, and toxicity for reproduction (CMR): Suspected of damaging fertility or the unborn child.

SECTION 12 Ecological Information

Toxicity to Fish/Aquatic Plants, Microorganisms and Crustacea

Chemical Name	Fish LC50	Crustacea EC50	Algae EC50
4-nonylphenl, branched 84852-15-3	Lepomis macrochirus 0.029 mg/L 96 h	Daphnia Magna 0.0844 mg/L 48 h	Selenastrum capricornutum 0.33 mg/L 72 h

Biological degradability: aerobic- Exposure time 28 d

Result: 62 % - Readily biodegradable. (OECD Test Guideline 301F)

Remarks: The 10 day time window criterion is not fulfilled.

Bio accumulative potential: Pimephales promelas (fathead minnow) - 28 d

Bioconcentration factor (BCF): 740



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Other adverse effects: Hazardous for water. Do not allow undiluted product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized. Danger to drinking water. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

SECTION 13 Disposal Considerations

Disposal instructions: Dispose of contents/container in accordance with local/regional/national/international regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14 Transport Information

International transport regulations

DOT

UN number: UN1760

UN proper shipping name: Corrosive Liquid, N.O.S. (Isophoronediamine), Environmentally Hazardous

Class: 8 Corrosive substances.

Packing group: III

ADR/RID

UN number: UN1760

UN proper shipping name: 1760 Corrosive Liquid, N.O.S. (Isophoronediamine), Environmentally Hazardous

Class: 8 (C9) Corrosive substances.

Packing group: III

Special precautions:

Limited quantities: 5L

Transport category: 3

Tunnel restriction code: E

IATA

UN number: UN1760

UN proper shipping name: Corrosive Liquid, N.O.S. (Isophoronediamine)

Class: 8 Corrosive substances.

Packing group: III

IMDG

UN number: UN1760

UN proper shipping name: Corrosive Liquid, N.O.S. (Isophoronediamine), Marine Pollutant

Class: 8 Corrosive substances.

Packing group: III

Special precautions for user:

Warning: Corrosive substances.

Danger code (Kemler): 80

EMS Number: F-A, S-B

Segregation groups: Alkalis



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Environmental hazards

Marine pollutant: Yes. Symbol, fish and tree

SECTION 15 Regulatory Information

US federal regulations:

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

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories: Not listed

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous chemical: No

SARA 313 (TRI reporting): Not listed

US state regulations

US. New Jersey Worker and Community Right-to-Know Act:

4-Nonylphenol, branched (CAS 84852-15-3)

US. Pennsylvania Worker and Community Right-to-Know Law:

4-Nonylphenol, branched (CAS 84852-15-3)

Proposition 65 (California):

106-89-8 / 1-chloro-2,3-epoxypropane: Known to cause cancer, developmental toxicity.

SECTION 16 Other Information

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

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	3	1	0
NFPA	3	1	0

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