



SAFETY DATA SHEET

RAPID CURE MVB Clear Base Part A

Section 1: COMPANY AND PRODUCT IDENTIFICATION

Manufacturer Name

SurfaceLogix (a Reliance Supply Company)
1880 N.W. 18th Street, Pompano Beach, FL 33039

Telephone Numbers

Information - 954.971.9111
Transportation and Medical Emergency –
CHEMTREC 1-800 262-8200

Product Number

148AC

Product Name

RAPID CURE MVB CLEAR PART A

Chemical Family

Epoxy Solvent System

Section 2: HAZARD IDENTIFICATION

GHS Classification; Signal Word: Warning

**GHS Label Elements:**

Skin sensitization	Category 2
Inhalation:	Category 2
Eye Irritation:	Category 2B
Flammability:	Category 3

Hazard pictograms

Hazard statements: May cause allergic skin reaction; May be harmful if swallowed or enters airways.

H411-Toxic to aquatic life; do not allow to go to waterways.

Precautionary statements: Prevention:

P261-Avoid breathing dust, mist, gas, vapors, or spray.

P280-Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

Response:

IF ON SKIN: Wash with plenty of soap and water.

P272 + P262- If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reusing.

Disposal:

P501-Dispose of contents and containers in accordance with existing federal, state, and local environmental control laws.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components Weight Percent	Components	CAS-No.	Classification	
70 - 90%	-Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, Homopolymer	25085-99-8	Skin sensitization:	Category 2
5 - 10%	-Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivatives.	68609-97-2	Inhalation:	Category 2
10- 20%	-Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin	28064-14-4	Flammability:	Category 3

The specific chemical identity and/or exact percentage of components have been withheld as a trade secret.

Section 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Call a

physician or poison control center immediately.

SKIN: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

When symptoms persist or in all cases of

doubt seek medical advice. Wash contaminated clothing before re-use.

INGESTION: Rinse mouth with water. DO NOT induce vomiting. Call a physician or poison control center immediately.

INHALATION: If affected by vapors, move to fresh air. If symptoms persist consult a physician.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Eye irritation.

SKIN: May cause skin irritation.

NOTES TO PHYSICIAN: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO₂), Dry chemical, Foam Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

A percentage of product floats on water – water jet spreads flames.

Hazardous Decomposition Products by Fire and Thermal Decomposition:

Carbon oxides, Nitrogen oxides (NO_x), Amines, Phenolics, other aliphatic fragments which have not been determined, Ammonia gas may be liberated at high temperatures.

Section 6: ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures:

Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to section 7, Handling, for additional precautionary measures. Use appropriate safety equipment.

For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Cover spill with inert material (e.g., dry sand or earth) and collect for proper disposal. Dike or dam spilled material and control further spillage, if possible. Prevent from entering open drains and waterways. Wash spill area with water. Ventilate area to remove vapors or dust.

Section 7: HANDLING AND STORAGE

Handling/Storage Precautions Avoid contact with skin or clothing. Avoid contact with eyes.

Use only with adequate ventilation/personal protection. Wash thoroughly after handling it. Keep the container closed when not in use.

Do not breathe vapor or spray mist.

Store in a dry place away from excessive heat. Material is hygroscopic and may absorb small amounts of atmospheric moisture.

Do not reseal containers if contamination is suspected.

Storage temperature:

minimum: 0 °C (32 °F)

maximum: 40 °C (104 °F)

Storage period: SHELF LIFE: 12 months.

Please see the expiration date on the container. Store best at 25 °C (77 °F)

Handling/Storage Precautions

Handle in accordance with good industrial hygiene and safety practices.

Keep the container closed when not in use. Substances to avoid are oxidizing agents, acids and isocyanates. Warning Content is Flammable, never cut, drill, weld or grind on or near this container.

Further Info on Storage Conditions:

Protect from freezing. Store in a cool dry place. Store in original or similar containers. Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

The recommendations in this section should not be a substitute for a personal protective equipment (PPE) assessment performed by the employer as required by 29 CFR 1910 Subpart I.

Any component listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

Industrial Hygiene/Ventilation Measures:

General ventilation and local exhaust as necessary to control airborne vapors, mists, dusts and thermal decomposition products below appropriate airborne concentration standards/guidelines needed. Thermal processing operations should be ventilated to control gases and

fumes given off during processing. Curing ovens must be ventilated to prevent the buildup of explosive atmospheres and to prevent off gases from entering the workplace.

Respiratory protection:

When workers are handling this product and especially when are facing concentrations above the exposure limit they must use appropriate certified NIOSH approved respirators.

Hand protection:

Permeation resistant gloves, Butyl rubber gloves, Nitrile rubber gloves.; (nitrile or NBR). Neoprene. Polyvinyl chloride (PVC or Vinyl).

Eye protection: Chemical safety goggles or safety glasses with side-shields.

Skin and body protection Permeation resistant clothing, Gloves, long sleeved shirts and pants. **Additional Protective Measures** Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Store separated from food products.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous, heavy liquid

Physical state: Liquid

Color: Slightly yellowish -Water Clear

Odor: Mild solvent odor

Odor Threshold: No test data available

pH: Solvent base; Not applicable

Melting point/range; Not applicable

Freezing point : Not applicable

Boiling point (760 mmHg): > 204°C (400F)

Flash point : >177 °C Closed Cup (from main component)

Evaporation Rate (Butyl Acetate = 1): No data available

Flammability (solid, gas) Lower explosion limit : No data available **Upper explosion limit**

Vapor Pressure: 0.06 mmHg at 70 °F Literature (alkyl glycidyl ether)
Relative Vapor Density (air = 1) Relative Density (water = 1): Not determined
Water solubility: Negligible
Partition coefficient: n-octanol/water: Not applicable
Auto-ignition temperature: Not determined
Decomposition temperature: No data available
Dynamic Viscosity : 500-1000 cps , 25 °C
Liquid Density: 9 lb/gal
Specific gravity: 1.08

Section 10: STABILITY AND REACTIVITY

Hazardous Reactions

Hazardous polymerization should not occur.

Reactivity: No specific data available; Will react exothermally with Amines.

Chemical stability: Stable under recommended storage conditions. See Storage, Section 7.

Materials to avoid : Avoid strong acids, bases, and oxidizing agents. Avoid contact with amines.

Conditions to avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with moisture / water.

Hazardous decomposition products

By Fire and Thermal Decomposition: Carbon dioxide (CO₂), carbon monoxide (CO), phenolics, and water.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin Contact, Eye Contact, Inhalation, Ingestion.

Acute oral toxicity:

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product: Single dose oral LD₅₀ has not been determined. Based on information for component(s):

LD₅₀, Rat, > 10,000 mg/kg Estimated.

Information for components:

-Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers

LD₅₀, Rat, > 15,000 mg/kg

-Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin

LD₅₀, Rat, male and female, > 2,000 mg/kg OECD 401 or equivalent No deaths occurred at this concentration.

-Alkyl(C12-14) glycidyl ether

LD₅₀, Rat, 26,000 mg/kg

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD₅₀ has not been determined. Based on information for component(s):

LD₅₀, Rabbit, > 5,000 mg/kg Estimated.

Acute inhalation toxicity:

Excessive exposure may cause irritation to upper respiratory tract (nose and throat).

The LC₅₀ has not been determined.

Skin corrosion/irritation

Brief contact may cause moderate skin irritation with local redness.

Information for components:

-Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers

Prolonged contact may cause skin irritation with local redness.

Repeated contact may cause skin irritation with local redness.

-Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin

Brief contact may cause moderate skin irritation with local redness.

Effects may be slow to heal.

Repeated exposure may cause irritation, even a burn.

May cause more severe response if skin is abraded (scratched or cut).

-Alkyl(C12-14) glycidyl ether

Prolonged contact may cause skin irritation with local redness.

Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.

Serious eye damage/eye irritation:

May cause moderate eye irritation.

Corneal injury is unlikely.

Vapor may cause eye irritation experienced as mild discomfort and redness.

Sensitization :

A component in this mixture has caused allergic skin reactions in humans.

Contains component(s) which have caused allergic skin sensitization in guinea pigs. Contains component(s) which have demonstrated the potential for contact allergy in mice.

IARC: Not listed or regulated by IARC (Group 1 or 2)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Section 12: ECOLOGICAL INFORMATION

PRODUCT INFORMATION:

ECOTOXICOLOGICAL INFORMATION

No data available for this formulated product; data is reported based on its components:

-Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers

Acute toxicity to fish

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).

LC50, Oncorhynchus mykiss (rainbow trout), semi-static test, 96 Hour, 2 mg/l

Acute toxicity to aquatic invertebrates

EC50, Daphnia magna (Water flea), static test, 48 Hour, 1.8 mg/l

Acute toxicity to algae/aquatic plants

ErC50, Scenedesmus capricornutum (fresh water algae), static test, 72 Hour, Growth rate inhibition, 11 mg/l

Toxicity to bacteria

IC50, Bacteria, 18 Hour, Respiration rates., > 42.6 mg/l

Chronic toxicity to aquatic invertebrates

NOEC, Daphnia magna (Water flea), semi-static test, 21 d, number of offspring, 0.3 mg/l MATC (Maximum Acceptable Toxicant Level),

Daphnia magna (Water flea), semi-static test, 21 d, number of offspring, 0.55 mg/l

-Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin

Acute toxicity to fish

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).

LC50, Freshwater fish, 96 Hour, 2.54 mg/l

Acute toxicity to aquatic invertebrates

EC50, Daphnia magna, Static, 48 Hour, > 1,000 mg/l, OECD Test Guideline 202 or Equivalent

Acute toxicity to algae/aquatic plants

EC50, Selenastrum capricornutum (green algae), Static, 72 Hour, > 1.8 mg/l, OECD Test Guideline 201

Toxicity to bacteria

activated sludge, Static, 3 Hour, Other, > 100 mg/l

Chronic toxicity to aquatic invertebrates

NOEC, Daphnia magna, semi-static test, 21 d, number of offspring, 0.3 mg/l

-Alkyl(C12-14) glycidyl ether

Acute toxicity to fish

Not expected to be acutely toxic.

LC50, Oncorhynchus mykiss (rainbow trout), static test, 96 Hour, > 5,000 mg/l

LC50, Lepomis macrochirus (Bluegill sunfish), static test, 96 Hour, 1,800 mg/l, Other guidelines

Acute toxicity to algae/aquatic plants

EbC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, Growth inhibition (cell density reduction), 843 mg/l

NOEC, Pseudokirchneriella subcapitata (green algae), 72 Hour, Growth inhibition (cell density reduction), 500 mg/l

Toxicity to bacteria

EC50, activated sludge, static test, 3 Hour, Respiration rates., > 100 mg/l

Biodegradability:

Based on stringent OECD test guidelines, the materials contained in this product cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

Partition coefficient: n-octanol/water(log Pow): 3.242 at 25 °C Estimated.

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable law and regulations. Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning. Empty containers retain product residue (dust, liquid, vapor and/or gases) and can be dangerous. Do not heat or cut container with electric or gas torch.

Section 14: TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

DOT (DEPARTMENT OF TRANSPORTATION):

PROPER SHIPPING NAME: Not regulated as hazardous material for transportation.

VESSEL (IMO/IMDG):

SHIPPING NAME: Environmentally Hazardous Substance, Liquid, n.o.s. (Epoxy Resin), Marine Pollutant

UN/NA NUMBER: UN3082

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

AIR (ICAO/IATA):

SHIPPING NAME: Environmentally Hazardous Substance, Liquid, n.o.s. (Epoxy Resin), Marine Pollutant

UN/NA NUMBER: UN3082

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

Section 15: REGULATORY INFORMATION

United States Federal Regulations

US. Toxic Substances Control Act: Listed on the Active Portion of the TSCA Inventory.

No substances are subject to TSCA 12(b) export notification requirements.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components: None

SARA Section 311/312 Hazard Categories: Refer to hazard classification information in Section 2. **US. EPA Emergency Planning and Community**

Right-To-Know Act (EPCRA) 311/312 HEALTH HAZARDS: Acute.

SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components:

None **US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA)**

SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components:

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name

Oxirane, 2,2'-[1-methylethylidene]bis(4,1-phenyleneoxymethylene)]bis-, Homopolymer

Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivs.

CAS

25085-99-8

68609-97-2

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261): Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste. **State Right-To-Know Information ; CALIFORNIA PROPOSITION 65:**

WARNING: This product does not expose you to chemicals which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

TSCA STATUS: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.

Section 16: OTHER INFORMATION

PREPARED BY: EMG Date Prepared: 07/09/2025

HMIS RATING:

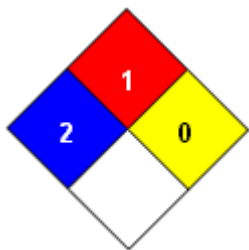
HEALTH: 2

FLAMMABILITY: 1

PHYSICAL HAZARD: 0

PERSONAL PROTECTION: C

NFPA CODES:



The method of hazard communication for SurfaceLogix, a Reliance Supply Company, is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by SurfaceLogix, a Reliance Supply Company, as a customer service.

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