Safety Data Sheet

RCC Corrosion Control / SDS #: RCC-20420 / Revision Date: 05/23/2022

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: COROCAST EP RESIN

Chemical Family: Epoxy Resin

Product Use: Coating material

Manufacturer: RCC Corrosion Control
1450 Hoff Industrial Drive
O'Fallon, MO 63366
Phone: 636-697-4659

24-Hour Emergency Phone Number: North America: 800-424-9300 (CHEMTREC)
International: 703-527-3887 (CHEMTREC) Collect Calls Accepted

2. HAZARD IDENTIFICATION

GHS Classifications

Health Hazards
Skin Irritation, Category 2
Eye Irritation, Category 2B
Skin Sensitization, Category 1A

Environmental Hazards
Acute Aquatic Toxicity, Category 2
Chronic Aquatic Toxicity, Category 2

GHS-Labeling
Pictograms:

Signal Word: Warning!

Hazard Statements
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H320: Causes eye irritation
H411: Toxic to aquatic life with long lasting effects

Precautionary Statements
Prevention:
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing vapors.
P264: Wash hands and exposed areas thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.

Response:
P302+ P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P363: Wash contaminated clothing before reuse.
P391: Collect spillage.

Storage:
P405: Store locked up.

Disposal:
P501: Dispose of contents/container in accordance with local, regional, and federal regulations

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization
Epoxy Resin

Component*	CAS #	Weight %
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	75 - 90
Alkyl Glycidyl Ether	68609-97-2	15 - 25

4. FIRST AID MEASURES:

Inhalation
Symptoms & Effects: Nose, throat and lung irritation, respiratory tract irritation, nausea, headache, dizziness, and drowsiness.
Measures: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms develop or if victim feels unwell, seek medical attention.

Skin Contact
Symptoms & Effects: Skin irritation, redness, allergic skin reactions, burning sensation, and drying.
Measures: Immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing while washing. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

Eye Contact
Symptoms & Effects: Eye irritation, tearing, redness, and swelling of the eyes.
Measures: Immediately rinse eyes with water for at least 15 minutes. Remove contact lenses after the initial few minutes and if easy to do so and resume rinsing. Rinse under eyelids by holding eyelids apart with clean fingers while rinsing. If eye irritation persists, consult a physician, preferably an ophthalmologist.

Ingestion
Symptoms & Effects: Stomach or intestinal irritation, nausea, vomiting, throat irritation, dizziness, drowsiness, headache, and weakness.
Measures: If swallowed, seek medical attention. Remove victim to fresh air and allow victim to lie on their left side with their head down. Do not induce vomiting unless directed to do so by medical personnel.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol-resistant foam, Water spray (fine), Fog, Dry chemical, Carbon dioxide

Unsuitable Extinguishing Media: Water stream (See Precautions)
Hazardous Combustion Products: Phenolic compounds, Carbon monoxide, Carbon dioxide

Protective Equipment for Fire-Fighters: Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Precautions for Fire-Fighters: Use water spray to cool fire exposed containers until danger of re-ignition has passed. Do not use direct water stream as this may spread fire. Violent steam generation or eruption may occur upon application of direct water stream of hot liquids. Water fog, applied gently may be used as a blanket for fire extinguishment.

6. ACCIDENTAL RELEASE MEASURES:

Protective Equipment: Recommended to wear self-contained breathing apparatus, chemical splash goggles & resistant gloves and discard of gloves that show tears, pinholes, or signs of wear. Wear proper garments to prevent skin exposure, such as long-sleeves and pants.

Personal Precautions: Persons not wearing proper PPE should be excluded from the area of contamination until clean-up has been completed. Ensure adequate ventilation. Pay close attention to the spreading of gases, especially at ground level.

Environmental Precautions: Do not allow discharge into drains, surface waters, or sanitary sewer system. Prevent spreading over a wide area by containment or oil barriers. Local authorities should be advised if significant spillages cannot be contained or if material discharges into drains or ground water.

Methods & Materials for Clean-Up: Contained spilled material with inert, non-combustible absorbent materials (e.g. sand, earth, diatomaceous earth, vermiculite). Transfer to a suitable container for disposal according to proper federal, state, and local regulations. Remove residual material with soap and hot water or other solvents.

7. HANDLING AND STORAGE

Handling: Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Do not cut, puncture, or weld on or near the container. Avoid breathing vapors and/or aerosols. Avoid contact with skin and eyes. Use only in well-ventilated areas. Use personal protective equipment. When using, do not eat, drink or smoke.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible Materials: Acids, Bases, Oxidizers, Amines

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits :
Exposure limits have not been established for this product.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below permissible exposure limits. Provide readily accessible eye wash stations and safety showers.

Occupational Exposure Controls: Ensure adequate ventilation, especially in confined areas. Consider all potential hazards of this material, applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting PPE. Ensure that eyewash stations and safety showers are proximal to the work location. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.
Protective and Hygiene measures: Do not inhale vapors. Wash hands before breaks and immediately after handling product. When using, do not eat, drink, or smoke. In case of clothes contamination, remove and wash contaminated clothing before re-use. Discard of contaminated leather articles.

Eye Protection: Recommended to wear chemical splash goggles at all times when using this product. Have a suitable eye wash station or bottle nearby in case of splashing into the eyes.

Hand Protection: Recommended to wear suitable resistant gloves and discard of gloves that show tears, pinholes, or signs of wear. Suitable gloves will be based on product use and the period of use, and may include neoprene, butyl-rubber, nitrile rubber, etc.

Skin Protection: Recommended to wear long-sleeved clothing, pants and proper foot covering in order to prevent direct skin contact with the product. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Respiratory Protection: A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow liquid
Odor: Slightly irritating
Odor Threshold: No data available
pH: No data available
Melting/freezing point: No data available
Boiling point: 576°F (302°C)
Boiling range: No data available
Flash point (Tag closed cup): 470°F (240°C)
Evaporation rate: No data available
Flammability: Lower Limit: No data available **Upper Limit:** No data available
Vapor pressure: No data available
Vapor density: > 1 (Air = 1)
Relative density: 1.11 g/cm^3 (9.29 lb/gal) @ 68°F (20°C)
Solubility in water: No data available
Partition coefficient (n-octanol/water): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity (dynamic): No data available

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Avoid exposure to excessive heat and ignition sources as well as incompatible materials. Product does not undergo hazardous polymerization by itself. Product will undergo irreversible polymerization if mixed with aliphatic amines and excessive heat conditions.

Conditions to Avoid: Excessive heat (above 300°C) and ignition sources. Potentially violent decomposition can occur above 350°C (662°F). Generation of gas during decomposition can cause pressure in closed systems, resulting in a rapid pressure build-up.

Incompatible Materials: Acids, Bases, Oxidizers, Amines

Hazardous decomposition products: Phenol compounds, Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Primary Routes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact

Symptoms Related to Physical, Chemical and Toxicological Characteristics: Skin irritation, redness, eye irritation, tearing of the eyes, stomach or intestinal irritation, respiratory tract irritation, digestive tract irritation, allergy or asthma symptoms, nose, throat and lung irritation, headache, nausea, dizziness, and vomiting.

Delayed and Immediate Effects & Chronic Effects from Exposure: This substance is suspected of causing mutagenic effects based on testing performed on laboratory animals. This substance is suspected of harming fertility and the unborn child.

Measures of Toxicity:
Acute toxicities are calculated based on component toxicities
Mixture: Acute Oral Toxicity: LD_{50} Rat: 16,000 mg/kg
Acute Dermal Toxicity: LD_{50} Rabbit: 20,000 mg/kg
Acute Inhalation Toxicity: LC_{50} Rat: No data available

Carcinogen Claims:
OSHA: **No,** International Agency for Research on Cancer (IARC): **No**
ACGIH: **No,** National Toxicology Program (NTP) Report on Carcinogens: **No**

12. ECOLOGICAL INFORMATION

Ecotoxicity: This substance is toxic to aquatic organisms. It is strongly advised that this substance does not enter the environment.
Persistence & Degradability: Based on product composition, this material cannot be considered as readily biodegradable.
Bio-accumulative Potential: No data available
Mobility in Soil: No data available
Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State or Local regulations.
Contaminated packaging should be emptied as far as possible before disposal.

14. TRANSPORT INFORMATION

DOT SHIPPING CLASSIFICATION:
UN NUMBER: UN3082
PROPER SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)
TRANSPORTATION HAZARD CLASS: 9
PACKING GROUP: III
HAZARD LABEL: 9

IMDG (Marine) SHIPPING CLASSIFICATION:
IMDG CODE: 9
UN NUMBER: UN3082
MARINE POLLUTANT: Yes
EmS: F-A; S-F
IMDG PACKING GROUP: III
HAZARD LABEL: 9
Description of the goods
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)

IATA (Air) SHIPPING CLASSIFICATION:
ICAO/IATA-DGR: 9
UN NUMBER: UN3082
HAZARD LABEL: Miscellaneous
IATA-packing instructions – Passenger: 964
IATA -max. quantity – Passenger: 450 L
IATA – packing instructions – Cargo: 964
IATA –max. quantity – Cargo: 450 L
IAO packing group: III
Limited quantity Passenger: Y964 / 30 kg G

Description of the goods
Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

15. REGULATORY INFORMATION

All components of this product conform to the following national inventory requirements. US TSCA, EU EINECS and Canada DSL

SARA Title III

The following ingredients are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 37
None Identified

OTHER FEDERAL REGULATIONS

Components of this product are subject to RCRA Hazardous Waste requirements.
Clean Air Act (CAA) Hazardous Air Pollutants requirements and OSHA Process Safety Management (PSM) high hazard requirements.

CANADIAN REGULATIONS

Same as OSHA GHS Classification

STATE REGULATIONS

California Proposition 65
WARNING: This product contains chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm.

The components of this product may be included on the various state hazardous materials lists noted below.

- California Toxic air contaminants
- Delaware List of Chemicals and RQs
- Idaho Toxic Air Pollutants
- Illinois Toxic Air Contaminants List
- Louisiana Toxic Air Pollutants
- Maine Hazardous Air Pollutants
- Maryland Toxic Air Pollutants for Existing Sources
- Massachusetts Hazardous Substances Lis
- Minnesota Hazardous Substances
- Nebraska Hazardous Air Pollutants
- New Jersey RTK Hazardous Substances List/TCPA Extremely Hazardous Substances List
- New York List of Hazardous Substances
- Ohio Toxic Air Contaminants
- Oklahoma Toxic Air Contaminants

North Carolina TAP Emissions Rates Requiring a Permit
Pennsylvania Hazardous Substances List
Rhode Island Toxic Air Contaminants
Vermont Hazardous Air Contaminants/Permissible Exposure Limits
West Virginia Toxic Air Pollutant List
Wisconsin hazardous Air Contaminants

Note: Entries under Section 15 are not intended to be all inclusive of Federal and State laws and regulations. Please consult the appropriate agencies for further clarification of any requirements.

16. OTHER INFORMATION

Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.