



FE-95 Resin

SECTION 1. IDENTIFICATION

Product Identifier FE-95 Resin
Other Means of Identification Epoxy Based Resin
Other Identification Epoxide
Product Family Epoxy Resin
Recommended Use Mixed with another component to form an expansion joint.
Restrictions on Use None known.
Manufacturer/Supplier Identifier The Stebbins Engineering and Manufacturing Company, 363 Eastern Boulevard, Watertown, NY, 13601, (315) 782-3000, www.stebbinseng.com
Emergency Phone No. Chemtrec - Within North America, 1-800-424-9300, 24 hours
Stebbins 24 Hour Contact-, 1-315-788-6624
SDS No. 068

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin irritation - Category 2; Eye irritation - Category 2A; Skin sensitization - Category 1; Aquatic hazard (Chronic) - Category 2

Label Elements



Signal Word:
Warning

Hazard Statement(s):

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.
P264 Wash hands and skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection/face protection.
P280 Wear protective gloves.

Product Identifier: FE-95 Resin - Ver. 3
Date of Preparation: October 07, 2015
Date of Last Revision: May 13, 2020

SDS No.: 068

Page 01 of 08

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

Storage:

P402 + P404 Store in a dry place. Store in a closed container.

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Can form very hazardous decomposition products.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|--------------------------------------|-------------|-------|-------------------|-------------|
| Butylated epoxy resin | 71033-08--4 | > 85% | Epoxy Resin | |
| 1,2-Epoxy-3-(2-methylphenoxy)propane | 2210-79-9 | <15% | Diluent | |

Notes

Concentrations are expressed in % weight/weight.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Move to fresh air. Get medical advice or attention if you feel unwell or are concerned. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor.

Skin Contact

Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. If skin irritation occurs, get medical advice or attention. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

First-aid Comments

Some of the first-aid procedures recommended here require advanced first-aid training. Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If on skin:

In sensitized people, contact with a very small amount of product can cause an allergic reaction. Symptoms include redness, rash, itching and swelling. This reaction can spread from the hands or arms to the face and body. Repeated

Product Identifier: FE-95 Resin - Ver. 3

SDS No.: 068

Date of Preparation: October 07, 2015

Date of Last Revision: May 13, 2020

Page 02 of 08

exposure will make the reaction worse.

Immediate Medical Attention and Special Treatment

Target Organs

Skin, eyes, lungs.

Special Instructions

Not applicable.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Closed containers may rupture violently when heated releasing contents.

Special Protective Equipment and Precautions for Fire-fighters

Approach fire from upwind to avoid hazardous vapours or gases. Dike and recover contaminated water for appropriate disposal.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Before entry, especially into confined areas, check atmosphere with an appropriate monitor.

Environmental Precautions

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Contain and soak up spill with absorbent that does not react with spilled product. Store recovered product in suitable containers that are: tightly-covered. Contact emergency services and manufacturer/supplier for advice.

Other Information

Report spills to local health, safety and environmental authorities, as required. Contact supplier, local fire and emergency services for help.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Avoid release to the environment.

Conditions for Safe Storage

Store in an area that is: well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Identifier: FE-95 Resin - Ver. 3

SDS No.: 068

Date of Preparation: October 07, 2015

Date of Last Revision: May 13, 2020

Page 03 of 08

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|--------------------------------------|-----------------|------|-----------------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Butylated epoxy resin | Not established | | Not established | | | |
| 1,2-Epoxy-3-(2-methylphenoxy)propane | Not established | | Not established | | | |

Consult local authorities for provincial or state exposure limits. Engineering measures: Good ventilation should be sufficient to control airborne exposure.

Appropriate Engineering Controls

The hazard potential of this product is relatively low. General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots. Cover as much exposed skin as possible.

Suitable materials are: butyl rubber, natural rubber, neoprene rubber, nitrile rubber, polyethylene, polyvinyl alcohol, Viton®/butyl rubber.

Respiratory Protection

In case of inadequate ventilation, wear a NIOSH approved air-purifying respirator with an organic vapour cartridge. This respirator does not protect against oxygen-deficient atmospheres.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|---|--|
| Appearance | Clear yellow viscous liquid. Particle Size: Not applicable |
| Odour | Odourless |
| Odour Threshold | Not available |
| pH | Neutral |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Boiling point/Initial boiling point | Not available |
| Boiling Range | Not available |
| Flash Point | > 350 °F (177 °C) (closed cup) |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Not applicable |
| Upper/Lower Flammability or Explosive Limit | Not available (upper); Not available (lower) |
| Vapour Pressure | 0.000006 kPa (0.000045 mm Hg) at 77 °F (25 °C) |
| Vapour Density (air = 1) | Not available |
| Relative Density (water = 1) | 1.08 |
| Solubility | Practically insoluble in water; Not available (in other liquids) |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | 350 °F (177 °C) |
| Viscosity | Not available (kinematic); Not available (dynamic) |

Product Identifier: FE-95 Resin - Ver. 3

SDS No.: 068

Date of Preparation: October 07, 2015

Date of Last Revision: May 13, 2020

Page 04 of 08

Other Information

| | |
|---------------------------------------|--------------------------------------|
| Physical State | Liquid |
| Molecular Formula | Not applicable |
| Molecular Weight | Not applicable |
| Bulk Density | 67.39 lb/ft ³ (1.08 kg/L) |
| Surface Tension | Not available |
| Critical Temperature | 200 °F (93 °C) |
| Electrical Conductivity | Not available |
| Vapour Pressure at 50 deg C | Not available |
| Saturated Vapour Concentration | Not available |
| Other Physical Property 1 | Bulk Density ~ 9.3 lb./gal |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Product is stable under normal conditions.

Chemical Stability

Normally stable. Unstable under certain conditions - see Conditions to Avoid.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use. Acidic conditions (low pH), alkaline conditions (high pH), oxidizing agents.

Conditions to Avoid

Prolonged exposure to high temperatures. Contact with combustible materials. Temperatures above 350.0 °F (176.7 °C)

Incompatible Materials

Avoid: strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide), strong oxidizing agents (e.g. perchloric acid).

Not corrosive to metals.

Hazardous Decomposition Products

Hazardous thermal decomposition products: very toxic carbon monoxide, carbon dioxide. under normal conditions hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|--------------------------------------|--|--------------------|-----------------------------|
| Butylated epoxy resin | Not available | > 5000 mg/kg (rat) | > 2000 mg/kg (rat) (vapour) |
| 1,2-Epoxy-3-(2-methylphenoxy)propane | 1220 ppm (rat) (4-hour exposure) (gas) | > 2000 mg/kg (rat) | Not available |

Skin Corrosion/Irritation

Skin Sensitization: animal tests show mild irritation. May cause mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

Causes serious eye irritation based on skin irritation information.

STOT (Specific Target Organ Toxicity) - Single Exposure

Product Identifier: FE-95 Resin - Ver. 3

SDS No.: 068

Date of Preparation: October 07, 2015

Date of Last Revision: May 13, 2020

Page 05 of 08

Inhalation

No known effects or hazards.

Skin Absorption

May be harmful based on human experience. Can cause skin irritation. Symptoms may include redness, rash, swelling and itching.

Ingestion

If small amounts are swallowed irritation of the mouth, throat and stomach. May be harmful based on information for closely related materials.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

If inhaled, following skin contact and/or if swallowed: once sensitized, an allergic reaction may occur at low exposure levels.

Respiratory and/or Skin Sensitization

In sensitized people, contact with a very small amount of product can cause an allergic reaction. Symptoms include redness, rash, itching and swelling. This reaction can spread from the hands or arms to the face and body. Repeated exposure will make the reaction worse. No information was located for respiratory sensitization.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|--------------------------------------|------------|----------------|------------|------------|
| Butylated epoxy resin | Not Listed | Not designated | Not Listed | Not Listed |
| 1,2-Epoxy-3-(2-methylphenoxy)propane | Not Listed | Not designated | Not Listed | Not Listed |

Reproductive Toxicity

Development of Offspring

Conclusions cannot be drawn from the limited studies available.

Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

Effects on or via Lactation

Conclusions cannot be drawn from the limited studies available.

Germ Cell Mutagenicity

Conclusions cannot be drawn from the limited studies available.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

| Chemical Name | LC50 Fish | EC50 Crustacea | ErC50 Aquatic Plants | ErC50 Algae |
|--------------------------------------|--|--|----------------------|---------------|
| 1,2-Epoxy-3-(2-methylphenoxy)propane | > 130 mg/L (Pimephales promelas (fathead minnow); 96-hour) | < 10 mg/L (Daphnia magna (water flea); static) | Not available | Not available |

Chronic Aquatic Toxicity

| Chemical Name | NOEC Fish | EC50 Fish | NOEC Crustacea | EC50 Crustacea |
|-----------------|---------------|---------------|----------------|----------------|
| 1,2-Epoxy-3-(2- | Not available | Not available | Not available | Not available |

Product Identifier: FE-95 Resin - Ver. 3

SDS No.: 068

Date of Preparation: October 07, 2015

Date of Last Revision: May 13, 2020

Page 06 of 08

methylphenoxy)propane

Persistence and Degradability

Biodegradation test: 5%, 28 days.

Bioaccumulative Potential

Bioaccumulative potential is low. Bio-concentration factor (BCF): 31.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. Dispose of or recycle empty containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|--|----------------------------|---------------|
| US DOT | | Non-Regulated | | |
| IATA (Air) | | Non-Regulated | | |
| Canadian TDG | | Non-Regulated | | |
| IMO (Marine) | UN3082 | environmentally hazardous substance, liquid, n.o.s. (1,2-Epoxy-3-(2-methylphenoxy)propane) | 9 | III |

Environmental Hazards Marine Pollutant (1,2-Epoxy-3-(2-methylphenoxy)propane)

Special Precautions Please note: Not regulated by D.O.T., Not regulated by Canadian TDG, except when all or part of the transportation is by vessel.

Transport in Bulk according to International Maritime Organization Instruments

Not applicable

Emergency Response 171
Guide No.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

CEPA - National Pollutant Release Inventory (NPRI)

Not specifically listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are exempt from TSCA Inventory requirements.

Additional USA Regulatory Lists

US Federal

HCS Classification Irritating material Sensitizing material

SARA Title III - Section 311/312: Acute Health Hazard.

SARA Title III - Section 313: Not listed.

Product Identifier: FE-95 Resin - Ver. 3

SDS No.: 068

Date of Preparation: October 07, 2015

Date of Last Revision: May 13, 2020

Page 07 of 08

CERCLA: Not listed.
State Regulations
Pennsylvania Right To Know: Not listed.
California Proposition 65: Not listed.

SECTION 16. OTHER INFORMATION

| | |
|------------------------------|--|
| NFPA Rating | Health - 2 Flammability - 1 Instability - 0 |
| | Based on Butylated epoxy resin |
| SDS Prepared By | B.E.R |
| Phone No. | (315) 782-3000 |
| Date of Preparation | October 07, 2015 |
| Date of Last Revision | May 13, 2020 |
| Revision Indicators | Revision 3 The following SDS content was changed on May 13, 2020: reviewed and approved |
| Key to Abbreviations | ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation IARC = International Agency for Research on Cancer NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration |
| References | NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). |
| Disclaimer | NOTE: The information contained herein is, to the best of our knowledge, accurate and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or the results to be obtained from the use thereof. |