

Dur-A-Poxy #245 Resin SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: Dur-A-Poxy #245 Resin

Recommended use: Floor Surfacing

Manufacturer Name: Dur-A-Flex, Inc.
95 Goodwin Street
East Hartford, CT 06108

Telephone number: 860-528-9838

Emergency phone number: 1-800- 424-9300 (CHEMTREC)

Date of Preparation: December 12, 2014

2. HAZARD(S) IDENTIFICATION

This product is one part of a 2 part product. Read and understand the hazard information on the SDS for Hardener before using this product.

Classification:

| Physical | Health |
|---------------|---|
| Not Hazardous | Skin Irritation Category 2 Eye Irritation Category 2A Skin Sensitization Category 1 |

Labeling:

Warning!



Hazard statement(s)

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Precautionary statement(s)

Avoid breathing mist, vapors or spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves, eye protection and face protection.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue

rinsing.
If eye irritation persists: Get medical attention.
Dispose of contents and container in accordance with local
and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Concentration |
|--|------------|---------------|
| Diglycidyl Ether Bisphenol A Epoxy Resin | 25068-38-6 | 20-60% |
| Water | 7732-18-5 | 30-50% |
| Calcium Carbonate | 1317-65-3 | 20-40% |
| Propylene Glycol | 57-55-6 | 1-5% |
| Ethoxylated Castor Oil | 61791-12-6 | 1-5% |
| Crystalline Silica, Quartz* | 14808-60-7 | 0.1-0.5% |

*The crystalline silica in this product is inextricably bound in a manner that no exposure occurs during normal use and handling. Therefore this product is not classified as a carcinogen.

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air. If irritation occurs or breathing is difficult, get medical attention.

Skin contact: Remove contaminated clothing. Wash with soap and water. If irritation or rash develops, get medical attention.

Eye contact: Immediately flush with large quantities of water for 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.

Ingestion: If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

Most important symptoms/effects, acute and delayed: Causes eye and skin irritation. May cause allergic skin reaction. Inhalation of mists may cause upper respiratory tract irritation. Swallowing may cause gastrointestinal irritation and nausea.

Indication of immediate medical attention and special treatment, if necessary: None expected under normal conditions of use.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use media appropriate for the surrounding fire.

Specific hazards arising from the chemical: Combustion may produce carbon oxides.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing as described in Section 8.

Environmental precautions: Avoid release to the environment. Report releases as required by local, state and federal authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent. Place into an appropriate container for disposal. Caution slip hazard. Wash spill site with soap and water.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Wash thoroughly after handling and before eating, drinking, smoking or using the toilet. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities: Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from physical damage. Store away from oxidizing agents, acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

| | |
|--|--|
| Diglycidyl Ether Bisphenol A Epoxy Resin | None Established |
| Water | None Established |
| Calcium Carbonate | 5 mg/m ³ TWA OSHA PEL (respirable fraction) 15 mg/m ³ TWA OSHA PEL (total dust) |
| Propylene Glycol | 10 mg/m ³ TWA AIHA WEEL |
| Ethoxylated Castor Oil | None Established |
| Crystalline Silica, Quartz* | $\frac{10 \text{ mg}}{\text{m}^3}$ TWA OSHA PEL (respirable fraction) % Silica + 2 0.025 mg/m ³ TWA ACGIH TLV (respirable fraction) |

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposures below applicable limits.

Personal Protective Equipment:

Respiratory protection: If the exposures are excessive, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin protection: Wear impervious gloves such as butyl rubber.

Eye protection: Chemical safety goggles recommended.

Other: Impervious clothing as needed to prevent contact. An eye wash and safety shower should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Milky viscous liquid

Odor: Mild odor

| | |
|---|---|
| Odor threshold: Not available | pH: Not available |
| Melting Point/Freezing Point: - Not available | Boiling Point: 212°F / 100°C |
| Flash point: >200°F / 100°C | Evaporation rate: Not available |
| Flammability (solid, gas): Not applicable | |
| Flammable limits: LEL: Not available | UEL: Not available |
| Vapor pressure: Not available | Vapor density: Not available |
| Relative density: >1 | Solubility(is): Soluble in water |
| Partition coefficient: n-Octanol/water: Not applicable | Auto-ignition temperature: Not available |
| Decomposition temperature: Not available | Viscosity: Not available |

10. STABILITY AND REACTIVITY

Reactivity: None known.

Chemical stability: Stable.

Possibility of hazardous reactions: Non known.

Conditions to avoid: Avoid excessive heat.

Incompatible materials: Avoid contact with oxidizing agents, acids and bases.

Hazardous decomposition products: Thermal decomposition may produce carbon oxides.

11. TOXICOLOGICAL INFORMATION

Inhalation: Excessive inhalation of mists may cause mucous membrane and upper respiratory tract irritation.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea and diarrhea.

Skin contact: May cause skin irritation with redness, itching and pain. May cause allergic skin reaction (sensitization).

Eye contact: May cause irritation with redness, tearing, stinging and swelling.

Chronic effects from short- and long-term exposure: None known.

Reproductive Toxicity: This product is not expected to cause adverse reproductive or developmental effects.

Sensitization: Diglycidyl ether bisphenol A epoxy resin causes sensitization in laboratory animals.

Mutagenicity: This product is not expected to cause mutagenic activity.

Carcinogenicity: Crystalline silica, quartz is listed by IARC as “Carcinogenic to Humans: (Group 1) and as “Known to Be a Human Carcinogen” by NTP. The crystalline silica in this product is inextricably bound in a manner that no exposure occurs during normal use and disposal. None of the other components >0.1% are listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Diglycidyl Ether Bisphenol A Epoxy Resin: Oral rat LD50 > 2000 mg/kg; Inhalation rat LC0 – no deaths at saturation; Dermal rabbit LD50 > 2000 mg/kg

Calcium Carbonate: No toxicity data available

Propylene Glycol: Oral rat LD50 22000 mg/kg, Dermal rabbit LD50 >2000 mg/kg

Ethoxylated Castor Oil: Oral mouse LD50 6400 mg/kg, Dermal rabbit LD50 >2000 mg/kg

Crystalline Silica, Quartz: Oral rat LD50 >22,500 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Diglycidyl Ether Bisphenol A Epoxy Resin: 96 hr LC50 Oncorhynchus mykiss 1.2 mg/L; 48 hr EC50 daphnia magna 1.1 mg/L; 72 hr EC50 Scenedesmus capricornutum 9.4 mg/L

Calcium Carbonate: No data available

Propylene Glycol: 96 hr LC50 Oncorhynchus mykiss 40613 mg/L, 48 hr LC50 Ceriodaphnia dubia 18340 mg/L, 72 hr EC50 Selenastrum capricornutum 24200 mg/L

Ethoxylated Castor Oil: 96 hr LC50 Danio rerio >45 mg/L,

Crystalline Silica: 72 hr LC50 carp >10,000 mg/L

Persistence and degradability: Diglycidyl ether bisphenol A epoxy resin is not readily biodegradable.

Bioaccumulative potential: Aliphatic glycidyl ether diluent has a BCF 160-263.

Mobility in soil: No data available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

| | UN Number | Proper shipping name | Hazard Class | Packing Group | Environmental Hazard |
|-------------|-----------|---|--------------|---------------|----------------------|
| DOT | None | Not Regulated | None | None | None |
| TDG | None | Not Regulated | None | None | None |
| IMDG | UN 3082 | Environmentally hazardous substances, liquid, n.o.s. (Diglycidyl Ether Bisphenol A Epoxy Resin) | 9 | PG III | Marine Pollutant |
| IATA | UN 3082 | Environmentally hazardous substances, liquid, n.o.s. (Diglycidyl Ether Bisphenol A Epoxy Resin) | 9 | PG III | Yes |

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects):

| | | | |
|-----------------------------|------------|-------|------------------------------------|
| epichlorhydrin | 106-89-8 | <0.1% | cancer, male reproductive toxicity |
| Crystalline silica, quartz* | 14808-60-7 | <0.5 | cancer |

*The crystalline silica in this product is inextricably bound in a manner that no exposure occurs during normal use and handling.

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:

Canadian CEPA: All of the ingredients in this product are listed on the Canadian DSL.

Canadian WHMIS Classification: Class D Division 2 Subdivision B (Toxic Material Causing other Toxic Effects)

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 1 Instability = 0
HMIS Rating: Health = 2 Flammability = 1 Physical Hazard = 0

SDS Revision History: Converted to GHS format. All sections revised.

Date of preparation: December 12, 2014

Date of last revision: New SDS

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND USE.