1. IDENTIFICATION OF PRODUCT & COMPANY

Product Name: Epoxy Bond DG

Product Type: Epoxy Mixture

Manufacturer/Supplier: Dayton-Granger, Inc.
3299 SW 9th Ave
Fort Lauderdale, FL 33315-3026
(954) 463-3451

Information Department: sales@daytongranger.com

Emergency Information: (248) 549 – 8200
(248) 549 – 9587 fax
8:00 am – 5:00 pm EST

Medical Emergency Phone: Poison Control Ctr.

2. HAZARD IDENTIFICATION

Classification of the mixture:
Skin Irritation – Category 2
Eye Irritation – Category 2A
Skin Sensitization – Category 1
Hazardous to the aquatic environment – Category 1
Acute Toxicity Oral – Category 4

Hazard Pictograms:

Signal Word: Warning

Hazard Statement:
H315-Skin Irritation
H320-Eye Irritation
H317-Skin Sensitization
H302-Harmful if swallowed
H402 – Harmful to aquatic life

Precautionary Statement:
P270 – Do not eat, drink or smoke when using this product.
P271 – Use only in well-ventilated area.
P280 – Wear eye protection and protective gloves.
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
P501 – Dispose of contents/container according to local, regional, national, and international regulations.

Other Hazards: No additional information available.

NFPA ratings (scale 0 – 4):

Health = 2, Fire = 1, Reactivity = 0

HMIS ratings (scale 0 – 4):

Health = 2, Fire = 1, Reactivity = 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Epoxy Resin CAS No. Description: 25068-38-6

4. FIRST AID MEASURES

After inhalation: Supply fresh air and be sure to call for a doctor.
After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Launder contaminated clothing before re-use.
After eye contact: Rinse opened eye for several minutes under running water. Seek medical attention if irritation develops.
After swallowing: Do not induce vomiting; immediately call for medical help.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Cartridge respirators do not provide adequate protection for fire fighters or exotherm mitigation. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
Unusual fire or explosion hazards: May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
Hazardous combustion products: Oxides of carbon and nitrogen, and undetermined organics.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental protection: Do not allow product to enter sewers/surface or ground water. Wear appropriate protective equipment and clothing during clean-up. Prevent further leakage or spillage if safe to do so.
Clean-up methods: For large spills absorb onto inert absorbent material and place in sealed container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Ensure good ventilation/exhaustion at the workplace. Protect from heat. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full.

Storage: For safe storage, store at or below 72°F (22°C). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review Technical Data Sheet.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
Protection of hands: The glove material has to be impermeable and resistant to the product/substance/preparation.


Protective Gloves

Eye protection: Wear safety glasses; chemical goggles (if splashing is possible).

Safety Glasses

Body protection: Protective work clothing and boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information:
Form: Liquid
Color: Clear
Odor: Slight
Change in condition:
Melting point/Melting range: Undetermined
Boiling point/boiling range: 500°F

Flash point: 480°F
Ignition temperature: Undetermined
Danger of explosion: Not applicable
Vapor pressure at 72°F: 0.03 mm Hg
Density at 72°F: 9.78 lbs/gal - Specific Gravity: 1.17
Solubility in/miscibility with Water: Slight
Percent Solids: 100% - Percent Volatiles: 0%

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.
Hazardous reactions: Under normal conditions of storage and use, hazardous reactions should not occur.

Hazardous decomposition products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons and undetermined organics.

Dangerous reactions: In normal storage hazardous reaction will not occur, reacts with amines.

Incompatible materials: Keep away from strong oxidizing agents, strong Lewis or mineral acids.

Reactivity: Not available.

Conditions to avoid: Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Failure to observe this precaution may result in excessive heat build-up causing exotherm.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes and Ingestion

Potential Health Effects/Symptoms:
Inhalation: May cause respiratory tract irritation.
Skin contact: This product may cause irritation to the skin. This product may cause an allergic skin reaction.
Eye contact: This product may cause irritation to the eyes.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

12. ECOLOGICAL INFORMATION

Toxicity: Harmful to aquatic life, however, no evidence is currently available on this product's effects.
Information about elimination (persistence and degradability): Not easily biodegradable.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazard waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

14. TRANSPORT INFORMATION

Land Transport (DOT): Not Regulated

Marine Transport (IMDG): UN Number 3082 Class: 9 Packing Group: III
Proper Shipping Name: Environmental hazardous substance, liquid, n.o.s. (Epoxy Resin) (Bisphenol-A/epichlorohydrin epoxy resin)

Air Transport (IATA): UN Number 3082 Class: 9 Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin) (Bisphenol-A/epichlorohydrin epoxy resin)

15. REGULATIONS

United States Regulatory Information

TSCA 8 (B) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: No reportable components
CERCLA/SARA Sec. 302 EHS: No reportable components
CERCLA/SARA Sec. 311/312: Immediate Health, Delayed Health
CERCLA/SAFA Sec. 313: No reportable components

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.
Canada Regulatory Information:
CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. This information is offered solely for your consideration, interpretation and information. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Information source and references: No Data

1. IDENTIFICATION OF PRODUCT & COMPANY

Product Name: Hardener

Product Type: Catalyst Mixture

Manufacturer/Supplier: Dayton-Granger, Inc.
3299 SW 9th Ave
Fort Lauderdale, FL 33315-3026
(954) 463-3451

Information Department: sales@daytongranger.com

Emergency Information: (248) 549 – 8200
(248) 549 – 9587 fax
8:00 am – 5:00 pm EST

Medical Emergency Phone: Poison Control Ctr.

2. HAZARD IDENTIFICATION

Classification of the mixture:
Skin Irritation – Category 2
Eye Irritation – Category 2A
Skin Sensitization – Category 1
Hazardous to the aquatic environment – Category 1
Acute Toxicity Oral – Category 4

Hazard Pictograms:

Signal Word: Warning

Hazard Statement:
H315-Skin Irritation
H320-Eye Irritation
H317-Skin Sensitization
H302-Harmful if swallowed
H402 – Harmful to aquatic life

Precautionary Statement:
P270 – Do not eat, drink or smoke when using this product.
P271 – Use only in well-ventilated area.
P280 – Wear eye protection and protective gloves.
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
P501 – Dispose of contents/container according to local, regional, national, and international regulations.

Other Hazards: No additional information available.

NFPA ratings (scale 0 – 4):

Health = 2, Fire = 1, Reactivity = 0

HMIS ratings (scale 0 – 4):

Health = 2, Fire = 1, Reactivity = 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Polyamide CAS No. Description: 68410-23-1

Chemical Name: Ethylene Amine CAS No. Description: 140-31-8

4. FIRST AID MEASURES

After inhalation: Supply fresh air and be sure to call for a doctor.
After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Launder contaminated clothing before re-use.
After eye contact: Rinse opened eye for several minutes under running water. Seek medical attention if irritation develops.
After swallowing: Do not induce vomiting; immediately call for medical help.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Cartridge respirators do not provide adequate protection for fire fighters or exotherm mitigation. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
Unusual fire or explosion hazards: May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
Hazardous combustion products: Oxides of carbon and nitrogen, and undetermined organics.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental protection: Do not allow product to enter sewers/surface or ground water. Wear appropriate protective equipment and clothing during clean-up. Prevent further leakage or spillage if safe to do so.
Clean-up methods: For large spills absorb onto inert absorbent material and place in sealed container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Ensure good ventilation/exhaustion at the workplace. Protect from heat. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full.

Storage: For safe storage, store at or below 72°F (22°C). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review Technical Data Sheet.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
Protection of hands: The glove material has to be impermeable and resistant to the product/substance/preparation.


Protective Gloves

Eye protection: Wear safety glasses; chemical goggles (if splashing is possible).

Safety Glasses

Body protection: Protective work clothing and boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information:
Form: Liquid
Color: Amber
Odor: Slight
Change in condition:
Melting point/Melting range: Undetermined
Boiling point/boiling range: Not Determined

Flash point: 365°F
Ignition temperature: Undetermined
Danger of explosion: Not applicable
Vapor pressure at 72°F: dNegligible mm Hg
Density at 72°F: 8.14 lbs/gal - Specific Gravity: .98
Solubility in/miscibility with Water: Slight
Percent Solids: 100% - Percent Volatiles: 0%

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.
Hazardous reactions: Under normal conditions of storage and use, hazardous reactions should not occur.

Hazardous decomposition products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons and undetermined organics.

Dangerous reactions: In normal storage hazardous reaction will not occur, reacts with amines.

Incompatible materials: Keep away from strong oxidizing agents, strong Lewis or mineral acids.

Reactivity: Not available.

Conditions to avoid: Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Failure to observe this precaution may result in excessive heat build-up causing exotherm.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes and Ingestion

Potential Health Effects/Symptoms:
Inhalation: May cause respiratory tract irritation.
Skin contact: This product may cause irritation to the skin. This product may cause an allergic skin reaction.
Eye contact: This product may cause irritation to the eyes.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

12. ECOLOGICAL INFORMATION

Toxicity: Harmful to aquatic life, however, no evidence is currently available on this product's effects.
Information about elimination (persistence and degradability): Not easily biodegradable.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazard waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

14. TRANSPORT INFORMATION

Land Transport (DOT): Not Regulated

Marine Transport (IMDG): UN Number 2 7 3 5 Class: 9 Packing Group: III
Proper Shipping Name: Adduct Amine, Polyamide, liquid, n.o.s.

Air Transport (IATA): UN Number 2735 Class: 9 Packing Group: III
Proper Shipping Name: Adduct Amine, Polyamide, liquid, n.o.s.

15. REGULATIONS

United States Regulatory Information

TSCA 8 (B) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	No reportable components
CERCLA/SARA Sec. 302 EHS:	No reportable components
CERCLA/SARA Sec. 311/312:	Immediate Health, Delayed Health
CERCLA/SAFA Sec. 313:	No reportable components

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.
Canada Regulatory Information:
CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. This information is offered solely for your consideration, interpretation and information. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Information source and references: No Data