1 Identification

- **Product identifier**
- **Trade name:** Epoxy Grout J55 - Part A
- **Article number:** 309214A
- **Application of the substance / the mixture**

2 Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:** Dayton® Superior
  4226 Kansas Avenue                   Tel.: (866) 329-8724
  Kansas City, KS 66106

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call international number, +1 703 741-5970. Collect calls are accepted.

- **Information department:** Environmental, Health, and Safety department.

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Irrit. 2A H319 Causes serious eye irritation.
  - Skin Sens. 1 H317 May cause an allergic skin reaction.
  - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**

  - GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**
  - epoxy resin

- **Hazard statements**
  - Causes skin irritation.
  - Causes serious eye irritation.
  - May cause an allergic skin reaction.
  - Harmful to aquatic life with long lasting effects.

- **Precautionary statements**
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Avoid release to the environment.
  - Wear protective gloves / eye protection / face protection.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Wash contaminated clothing before reuse.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)
Trade name: Epoxy Grout J55 - Part A

- Classification system:
  - NFPA ratings (scale 0 - 4)
    - Health = 1
    - Fire = 1
    - Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - Health = 1
  - Fire = 1
  - Reactivity = 0

- Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:
  - 25085-99-8 Diglycidyl ether of bisphenol A homopolymer ≥10-≤90%
  - 2210-79-9 2,3-epoxypropyl o-tolyl ether ≤10.0%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- Description of first aid measures
- General information:
  - Immediately remove any clothing soiled by the product.
  - In the event of persistent symptoms receive medical treatment.
  - Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation:
  - Supply fresh air and to be sure call for a doctor.
  - In case of unconsciousness place patient stably in side position for transportation.
  - Immediately move exposed person to fresh air. If breathing difficulty persists or develops get prompt medical attention.
- After skin contact:
  - Immediately wash with water and soap and rinse thoroughly.
  - If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.
5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
  - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
  - Protective equipment:
    Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
- Methods and material for containment and cleaning up:
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Dispose contaminated material as waste according to item 13.
  - Ensure adequate ventilation.
- Reference to other sections
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling
    - Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.
  - Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
  - Storage: cool and dry
  - Requirements to be met by storerooms and receptacles: Store in a cool dry location.
  - Information about storage in one common storage facility: Store away from incompatible materials.
  - Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
  - Components with limit values that require monitoring at the workplace:
    - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - Additional information: The lists that were valid during the creation were used as basis.
9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
  - Appearance:
    - Form: Liquid
    - Color: Grey
  - Odor: Mild
  - Odor threshold: Not determined.
  - pH-value: Not determined.

- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.

- Flash point: >94 °C (>201.2 °F)

- Flammability (solid, gaseous): Not applicable.

- Decomposition temperature: Not determined.

- Auto igniting: Product is not selfigniting.

- Danger of explosion: Product does not present an explosion hazard.

- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.

- Vapor pressure: Not determined.

- Density at 20 °C (68 °F): 1.14 g/cm³ (9.5133 lbs/gal)
- Relative density: Not determined.
- Vapor density: Not determined.
- Evaporation rate: Not determined.
Trade name: Epoxy Grout J55 - Part A

### 9. Physical and chemical properties

- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Solvent content:**
  - Solids content: 100.0 %
- **Other information:** No further relevant information available.
- **Volatile Organic Compounds:** Contains less than 10 g/L.

### 10. Stability and reactivity

- **Reactivity:** No decomposition if stored and applied as directed.
- **Chemical stability:** No decomposition if stored and applied as directed.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Keep away from heat and sources of ignition.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
  - **LD/LC50 values that are relevant for classification:**
    - **25085-99-8 Diglycidyl ether of bisphenol A homopolymer**
      - Oral LD50 5,000 mg/kg (rat)
      - Dermal LD50 20,000 mg/kg (rabbit)
  - **Primary irritant effect:**
    - **on the skin:** May cause skin irritation.
    - **on the eye:** Strong irritant with the danger of severe eye injury. Irritating effect.
    - **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
  - The product shows the following dangers according to internally approved calculation methods for preparations:
    - Harmful
    - Irritant
- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**
    - None of the ingredients is listed.
  - **NTP (National Toxicology Program)**
    - None of the ingredients is listed.
12 Ecological information

- **Toxicity**
  - Aquatic toxicity: No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- **Ecotoxicological effects:**
  - Remark: Harmful to fish
- **Additional ecological information:**
  - General notes:
    - Water hazard class 1 (Self-assessment): slightly hazardous for water
    - Water hazard class 2 (Self-assessment): hazardous for water
    - Do not allow product to reach ground water, water course or sewage system.
    - Danger to drinking water if even small quantities leak into the ground.
    - Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
  - PBT: Not applicable.
  - vPvB: Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    - Must not be disposed of as normal garbage. Do not allow product to reach sewage system.
    - It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.

14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IATA: Not Regulated
  - IMDG: UN3082
- **UN proper shipping name**
  - DOT, ADR, ADN, IATA: Not Regulated
  - IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,3-epoxypropyl o-tolyl ether), MARINE POLLUTANT
### Transport hazard class(es)
- **DOT, ADR, ADN, IATA**
- **Class** Not Regulated

### IMDG
- **Class** 9 Miscellaneous dangerous substances and articles
- **Label** 9
- **Packing group** DOT, ADR, IMDG, IATA III
- **Environmental hazards:**
  - **Marine pollutant:** No
  - **Symbol (fish and tree)**
- **Special precautions for user**
  - **EMS Number:** F-A,S-F
  - **Stowage Category** A
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### Transport/Additional information:
- **ADR**
  - **U.S. Domestic Ground Shipments:** Same as listed for Standard Shipments above.
  - **U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments:** Same as listed for Standard Shipments above.
- **Emergency Response Guide (ERG) Number:** Not determine

### IMDG
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 1000 ml

### UN "Model Regulation":
- **Label** Not Regulated

## 15 Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture
- **Sara**
  - **Section 355 (extremely hazardous substances):** None of the ingredient is listed.
  - **Section 313 (Specific toxic chemical listings):** This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.
  - None of the ingredients is listed.
Trade name: Epoxy Grout J55 - Part A

- **TSCA (Toxic Substances Control Act):**
  - 25085-99-8 Diglycidyl ether of bisphenol A homopolymer [ACTIVE]
  - 2210-79-9 2,3-epoxypropyl o-tolyl ether [ACTIVE]

- **Hazardous Air Pollutants**
  None of the ingredients is listed.

- **Proposition 65**

  - **Chemicals known to the State of California (Prop. 65) to cause cancer:**
    None of the ingredients is listed.

  - **Chemicals known to cause reproductive toxicity for females:**
    None of the ingredients is listed.

  - **Chemicals known to cause reproductive toxicity for males:**
    None of the ingredients is listed.

  - **Chemicals known to cause developmental toxicity:**
    None of the ingredients is listed.

- **Cancerogenity categories**

  - **EPA (Environmental Protection Agency)**
    None of the ingredients is listed.

  - **TLV (Threshold Limit Value established by ACGIH)**
    None of the ingredients is listed.

  - **MAK (German Maximum Workplace Concentration)**
    None of the ingredients is listed.

  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**

  ![GHS07]

  **Signal word** Warning

  - **Hazard-determining components of labeling:**
    epoxy resin

  - **Hazard statements**
    Causes skin irritation.
    Causes serious eye irritation.
    May cause an allergic skin reaction.
    Harmful to aquatic life with long lasting effects.

  - **Precautionary statements**
    Avoid breathing dust/fume/gas/mist/vapors/spray
    Avoid release to the environment.
    Wear protective gloves / eye protection / face protection.
    If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    Wash contaminated clothing before reuse.
    Dispose of contents/container in accordance with local/regional/national/international regulations.
Safety Data Sheet  
acc. to OSHA HCS

Printing date 03/03/2020  
Reviewed on 03/03/2020

Trade name: Epoxy Grout J55 - Part A

(Contd. of page 8)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Environmental, Health & Safety Department  
Contact: Environmental, Health & Safety Manager  
Date of preparation / last revision 03/03/2020 / 115

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Skin Irrit. 2: Skin corrosion/Irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Skin Sens. 1: Skin sensitisation – Category 1  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
## 1 Identification

- **Product identifier**
- **Trade name:** Epoxy Grout J55 - Part B
- **Article number:** 309214B
- **Application of the substance / the mixture**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  - Dayton® Superior
  - 4226 Kansas Avenue
  - Kansas City, KS 66106
  - Tel.: (866) 329-8724

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call international number, +1 703 741-5970. Collect calls are accepted.

- **Information department:** Environmental, Health, and Safety department.

## 2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Skin Corr. 1C H314 Causes severe skin burns and eye damage.
  - Eye Dam. 1 H318 Causes serious eye damage.
  - Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
  - **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**
    - GHS05
    - GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  - 3,6-diazaocatanethylenediamin
  - 3,6,9-triazaundecamethylenediamine

- **Hazard statements**
  - Causes severe skin burns and eye damage.
  - May cause an allergic skin reaction.

- **Precautionary statements**
  - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Immediately call a poison center/doctor.
  - Specific treatment (see on this label).
  - Store locked up.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 3
    - Fire = 1
    - Reactivity = 2

(Contd. on page 2)
Trade name: Epoxy Grout J55 - Part B

• HMIS-ratings (scale 0 - 4)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FIRE</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

Health = 3, Fire = 1, Reactivity = 2

• Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

3 Composition/information on ingredients

• Chemical characterization: Mixtures
• Description: Mixture of the substances listed below with nonhazardous additions.

• Dangerous components:
  - 112-24-3 3,6-diazaoctanethylenediamin ≥5-<18%
  - 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol <8.5%
  - 112-57-2 3,6,9-triazaundecamethylenediamine ≥5-<7.5%

• Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

• Description of first aid measures
• General information:
  - Immediately remove any clothing soiled by the product.
  - In the event of persistent symptoms receive medical treatment.
  - Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
• After inhalation:
  - Supply fresh air and to be sure call for a doctor.
  - In case of unconsciousness place patient stably in side position for transportation.
  - Immediately move exposed person to fresh air. If breathing difficulty persists or develops get prompt medical attention.
• After skin contact:
  - Immediately wash with water and soap and rinse thoroughly.
  - Immediately rinse with water.
  - If skin irritation continues, consult a doctor.
• After eye contact:
  - Rinse opened eye for several minutes under running water. Then consult a doctor.
• After swallowing:
  - Drink copious amounts of water and provide fresh air. Immediately call a doctor.
  - Seek medical treatment.
• Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

• Extinguishing media
• Suitable extinguishing agents:
  - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
• Special hazards arising from the substance or mixture: No further relevant information available.


**Trade name: Epoxy Grout J55 - Part B**

- **Advice for firefighters**
  Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:**
  Do not allow product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.

- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Use neutralizing agent.
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.

- **Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
  Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

- **Information about protection against explosions and fires:** No special measures required.

- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** Store in a cool dry location.
    - **Information about storage in one common storage facility:** Store away from incompatible materials.
    - **Further information about storage conditions:** Keep receptacle tightly sealed.
  - **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**
    The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
    At this time, the remaining constituent has no known exposure limits.

**112-24-3 3,6-diazaoctanethylenediamin**

<table>
<thead>
<tr>
<th>WEEL</th>
<th>Long-term value: 6 mg/m³, 1 ppm</th>
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</thead>
<tbody>
<tr>
<td>Skin</td>
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</table>

(Contd. on page 4)
Trade name: Epoxy Grout J55 - Part B

** Additional information:** The lists that were valid during the creation were used as basis.

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

**Breathing equipment:**
- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Protection of hands:**
- Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Eye protection:** Wear appropriate eye protection to prevent eye contact.

---

**9 Physical and chemical properties**

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**
- **Form:** Liquid
- **Color:** Amber
- **Odor:** Distinctive
- **Odor threshold:** Not determined.
- **pH-value:** Not determined.

**Change in condition**
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 333 °C (631.4 °F)

**Flash point:** >94 °C (>201.2 °F)

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** 335 °C (635 °F)

**Decomposition temperature:** Not determined.

**Auto igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.

**Vapor pressure:** Not determined.
## 9 Physical and Chemical Properties

- **Density at 20 °C (68 °F):** 0.949 g/cm³ (7.91941 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Solvent content:**
  - Solids content: 100.0%
- **Other information:** No further relevant information available.
- **Volatile Organic Compounds:** Contains less than 10 g/L.

## 10 Stability and reactivity

- **Reactivity:** No decomposition if stored and applied as directed.
- **Chemical stability:** No decomposition if stored and applied as directed.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Keep away from heat and sources of ignition.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **LD/LC50 values that are relevant for classification:**
      - **112-24-3 3,6-diazaoctanethylenediamin**
        - Oral: LD50 2,500 mg/kg (rat)
        - Dermal: LD50 805 mg/kg (rabbit)
      - **112-57-2 3,6,9-triazaundecamethylenediamine**
        - Dermal: LD50 660 mg/kg (rabbit)
  - **Primary irritant effect:**
    - **on the skin:** May cause skin irritation.
    - **on the eye:** Strong caustic effect.
    - **Sensitization:** Sensitization possible through skin contact.
  - **Additional toxicological information:**
    The product shows the following dangers according to internally approved calculation methods for preparations:
    - Harmful
    - Corrosive
    - Irritant
    - Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behavior in environmental systems:
    - Bioaccumulative potential: No further relevant information available.
    - Mobility in soil: No further relevant information available.
- Ecotoxicological effects:
  - Remark: Harmful to fish
- Additional ecological information:
  - General notes:
    - Water hazard class 1 (Self-assessment): slightly hazardous for water
    - Water hazard class 2 (Self-assessment): hazardous for water
    - Do not allow product to reach ground water, water course or sewage system.
    - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
    - Danger to drinking water if even small quantities leak into the ground.
    - Harmful to aquatic organisms
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    - Must not be disposed of as normal garbage. Do not allow product to reach sewage system.
    - It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.
  - Uncleaned packagings:
    - Recommendation: Disposal must be made according to Federal, State, and Local regulations.

14 Transport information

- UN-Number
  - DOT, ADR, IMDG, IATA: UN2735
### UN proper shipping name
- **DOT:** Amines, liquid, corrosive, n.o.s. (Tetraethylenepentamine)  
- **ADR:** 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (TETRAETHYLENEPENTAMINE), ENVIRONMENTALLY HAZARDOUS  
- **IMDG:** AMINES, LIQUID, CORROSIVE, N.O.S. (TETRAETHYLENEPENTAMINE), MARINE POLLUTANT  
- **IATA:** AMINES, LIQUID, CORROSIVE, N.O.S. (TETRAETHYLENEPENTAMINE)

### Transport hazard class(es)
- **DOT**
  - **Class:** 8 Corrosive substances  
  - **Label:** 8  
- **ADR, IATA**
  - **Class:** 8 Corrosive substances  
  - **Label:** 8  
- **IMDG**
  - **Class:** 8 Corrosive substances  
  - **Label:** 8

### Packing group
- **DOT, ADR, IMDG, IATA**  III

### Environmental hazards:
- **Marine pollutant:** No  
- **Symbol (fish and tree):**  

### Special precautions for user
- **Danger code (Kemler):** Warning: Corrosive substances  
- **EMS Number:** F-A,S-B  
- **Segregation groups:** Alkalis  
- **Stowage Category:** A  
- **Segregation Code:** SG35 Stow "separated from" acids.

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
- **Not applicable.**
Safety Data Sheet
acc. to OSHA HCS

Trade name: Epoxy Grout J55 - Part B

Transit/Additional information:

- ADR
  - Excepted quantities (EQ) Code: E1
    Maximum net quantity per inner packaging: 30 ml
    Maximum net quantity per outer packaging: 1000 ml

- U.S. Domestic Ground Shipments:
  - U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: Same as listed for Standard Shipments above.
  - U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: Same as listed for Standard Shipments above.

- Emergency Response Guide (ERG) Number: 153

- IMDG
  - Limited quantities (LQ) 5L
  - Excepted quantities (EQ) Code: E1
    Maximum net quantity per inner packaging: 30 ml
    Maximum net quantity per outer packaging: 1000 ml

- UN "Model Regulation": UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (TETRAETHYLENEPENTAMINE), 8, 111, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
    - Section 355 (extremely hazardous substances):
      None of the ingredient is listed.
    - Section 313 (Specific toxic chemical listings):
      This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.
      None of the ingredients is listed.

- TSCA (Toxic Substances Control Act):
  - 68953-36-6 Polyamido Amine
  - 112-24-3 3,6-diazaoctanethylenediamin
  - 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol
  - 112-57-2 3,6,9-triazaundecamethylenediamine

- Hazardous Air Pollutants
  None of the ingredients is listed.

- Proposition 65
  - Chemicals known to the State of California (Prop. 65) to cause cancer:
    None of the ingredients is listed.
  - Chemicals known to cause reproductive toxicity for females:
    None of the ingredients is listed.
  - Chemicals known to cause reproductive toxicity for males:
    None of the ingredients is listed.
  - Chemicals known to cause developmental toxicity:
    None of the ingredients is listed.
Trade name: Epoxy Grout J55 - Part B

- Cancerogenity categories
  - EPA (Environmental Protection Agency)
    None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    None of the ingredients is listed.
  - MAK (German Maximum Workplace Concentration)
    None of the ingredients is listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.

- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms
  ![GHS05] ![GHS07]

- Signal word
  Danger

- Hazard-determining components of labeling:
  - 3,6-diazaoctanethylenediamin
  - 3,6,9-triazaundecamethylenediamine

- Hazard statements
  Causes severe skin burns and eye damage.
  May cause an allergic skin reaction.

- Precautionary statements
  If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  Immediately call a poison center/doctor.
  Specific treatment (see on this label).
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- National regulations:
  - Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
  - Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing SDS: Environmental, Health & Safety Department
- Contact: Environmental, Health & Safety Manager
- Date of preparation / last revision 03/03/2020 / 115
- Abbreviations and acronyms:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
Trade name: Epoxy Grout J55 - Part B

CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1