1 Identification

- Product identifier
- Trade name: Sure Bond J58 - Part A
- Article number: 307267A
- Application of the substance / the mixture
- 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 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.
  - Carc. 2      H351  Suspected of causing cancer.
  - Repr. 1B     H360  May damage fertility or the unborn child.
  - Aquatic Chronic 2  H411  Toxic 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
    - GHS05
    - GHS07
    - GHS08
    - GHS09

- Signal word Danger

- Hazard-determining components of labeling:
  - titanium dioxide

- Hazard statements
  - Causes severe skin burns and eye damage.
  - May cause an allergic skin reaction.
  - Suspected of causing cancer.
  - May damage fertility or the unborn child.
  - Toxic to aquatic life with long lasting effects.

- 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.

(Contd. on page 2)
Trade name: Sure Bond J58 - Part A

- Classification system:
  - NFPA ratings (scale 0 - 4)
    - Health = 3
    - Fire = 0
    - Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - Health = 3
  - Fire = 0
  - 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 ≥50-≤90%
  - 13463-67-7 titanium dioxide ≥0.1-≤1%

- 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.
- 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.
- 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.

(Contd. on page 3)
5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents: Use fire fighting measures that suit the environment.
  - 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).
  - 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:
  - 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: Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
  - Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - 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.
Safety Data Sheet
acc. to OSHA HCS

Trade name: Sure Bond J58 - Part A

- 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.
    Store protective clothing separately.
    Avoid contact with the eyes.
    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: White
  - Odor: Slight
  - Odor threshold: Not determined.
  - pH-value: Not determined.
- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.
- Flash point: Not applicable.
- 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: Not determined.
- Relative density: Not determined.
- Vapor density: Not determined.
- Evaporation rate: Not determined.
### 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 caustic effect, strong irritant with the danger of severe eye injury.
  - **Sensitization**: Sensitization possible through skin contact.
  - **Additional toxicological information**:
    The product shows the following dangers according to internally approved calculation methods for preparations:
    - Corrosive
    - Irritant
    - Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
  - **Carcinogenic categories**
    - **IARC (International Agency for Research on Cancer)**
      - 13463-67-7 titanium dioxide
      - 2B
    - **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: Toxic for fish
- **Additional ecological information:**
  - General notes:
    - Water hazard class 1 (Self-assessment): slightly hazardous for water
    - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
    - Also poisonous for fish and plankton in water bodies.
  - Toxic for 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:**
    - 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 Not Regulated
  - IMDG, IATA UN3082
- **UN proper shipping name**
  - DOT, ADR, ADN Not Regulated
    - IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diglycidyl ether of bisphenol A homopolymer), MARINE POLLUTANT
    - IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diglycidyl ether of bisphenol A homopolymer)
### 49.0 Transport hazard class(es)
- DOT, ADR, ADN
  - Class: Not Regulated
- IMDG, IATA
  - Class: 9 Miscellaneous dangerous substances and articles
  - Label: 9

### 9 Packing group
- DOT, ADR
  - Class: Not Regulated
- IMDG, IATA
  - Class: III

### Environmental hazards:
- Marine pollutant:
  - Symbol (IATA): Symbol (fish and tree)
- Special marking (IATA):
  - Symbol (fish and tree)

### Special precautions for user
- EMS Number: F-A,S-F

### 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":
- Not Regulated

## 15 Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

### 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: Sure Bond J58 - Part A

- **TSCA (Toxic Substances Control Act):**
  - 25085-99-8 Diglycidyl ether of bisphenol A homopolymer
  - 13463-67-7 titanium dioxide

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

- **Proposition 65**

- **Chemicals known to the State of California (Prop. 65) to cause cancer:**
  - 13463-67-7 titanium dioxide

- **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)**
  - 13463-67-7 titanium dioxide

- **MAK (German Maximum Workplace Concentration)**
  - 13463-67-7 titanium dioxide

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
  - 13463-67-7 titanium dioxide

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

- **Hazard pictograms**

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  - titanium dioxide

- **Hazard statements**
  Causes severe skin burns and eye damage.
  May cause an allergic skin reaction.
  Suspected of causing cancer.
  May damage fertility or the unborn child.
  Toxic to aquatic life with long lasting effects.

- **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.
· 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 / 1
- 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 Corr. 1C: Skin corrosion/irritation – Category 1C
  Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  Skin Sens. 1: Skin sensitisation – Category 1
  Carc. 2: Carcinogenicity – Category 2
  Repr. 1B: Reproductive toxicity – Category 1B
  Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
1 Identification

- Product identifier
- Trade name: Sure Bond J58 - Part B
- Article number: 307267B

Application of the substance / the mixture

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
  Acute Tox. 4 H302 Harmful if swallowed.
  Skin Corr. 1B 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.
  Carc. 1A H350 May cause cancer.
  Repr. 2 H361 Suspected of damaging fertility or the unborn child.
  STOT SE 3 H335 May cause respiratory irritation.
  STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.
  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

![GHS05](image)
![GHS07](image)
![GHS08](image)

- Signal word Danger

- Hazard-determining components of labeling: polyethylenepolyamines with the exception of those specified elsewhere in this Annex
  Quartz (SiO2)
  2-piperazin-1-ylethylamine
  2,4,6-tris(dimethylaminomethyl)phenol

- Hazard statements
  Harmful if swallowed.
  Causes severe skin burns and eye damage.
  May cause an allergic skin reaction.
  May cause cancer.
  Suspected of damaging fertility or the unborn child.
  May cause respiratory irritation.

(Contd. on page 2)
49.0
Causes damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

- **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 | Fire | Reactivity |
    |--------|------|------------|
    | 3      | 0    | 0          |

- **HMIS-ratings (scale 0 - 4)**

  - **HEALTH**
    - Health = *3
  - **FIRE**
    - Fire = 0
  - **PHYSICAL HAZARD**
    - 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:**
  - 14808-60-7 Quartz (SiO2) 10%
  - Synthetic Amorphous, Pyrogenic Silica 10%
  - polyethylenepolyamines with the exception of those specified elsewhere in this Annex ≥5-≤10%
  - 64742-47-8 Distillates (petroleum), hydrotreated light ≥0.1-≤5%
  - 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol ≥0.1-≤5%
  - 140-31-8 2-piperazin-1-ylethylamine 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.
Trade name: Sure Bond J58 - Part B

49.0
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:**
  - Immediately call a doctor.
  - 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:** Use fire fighting measures that suit the environment.
- **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).
  - 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:**
- **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:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:** cool and dry
- **Requirements to be met by storerooms and receptacles:** No special requirements.
49.0

· Information about storage in one common storage facility: Not required.
· 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 constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>14808-60-7 Quartz (SiO2)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL</strong></td>
</tr>
<tr>
<td>Long-term value: 0.05* mg/m³</td>
</tr>
<tr>
<td>*resp. dust; 30mg/m³/%SiO2+2</td>
</tr>
<tr>
<td><strong>REL</strong></td>
</tr>
<tr>
<td>Long-term value: 0.05* mg/m³</td>
</tr>
<tr>
<td>*respirable dust; See Pocket Guide App. A</td>
</tr>
<tr>
<td><strong>TLV</strong></td>
</tr>
<tr>
<td>Long-term value: 0.025* mg/m³</td>
</tr>
<tr>
<td>*as respirable fraction</td>
</tr>
</tbody>
</table>

· 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.
  Store protective clothing separately.
  Avoid contact with the eyes.
  Avoid contact with the eyes and skin.
· Breathing equipment: Suitable respiratory protective device recommended.
· 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: Pasty
  · Color: Gray
· Odor: Ammonia-like
· Odor threshold: Not determined.
· pH-value: Not determined.
Safety Data Sheet
acc. to OSHA HCS

Trade name: Sure Bond J58 - Part B

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

- Flash point: Not applicable.
- 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): 1.09042 g/cm³ (9.09955 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.
- Other information No further relevant information available.
- Volatile Organic Compounds: Contains less than 50 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:
    140-31-8 2-piperazin-1-ylethylamine
    Oral  LD50 2,140 mg/kg (rat)
    Dermal LD50 880 mg/kg (rabbit)
Trade name: Sure Bond J58 - Part B

- **Primary irritant effect:**
  - **on the skin:** May cause skin irritation.
  - **on the eye:**
    Strong caustic effect.
    Strong irritant with the danger of severe eye injury.
  - **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.
    Carcinogenic.

- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**
    14808-60-7 Quartz (SiO2) 1
  - **NTP (National Toxicology Program)**
    14808-60-7 Quartz (SiO2) K
  - **OSHA-Ca (Occupational Safety & Health Administration)**
    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
  - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
  - 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:**
  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.
### 14 Transport information

- **UN-Number**
  - DOT, ADR, IMDG, IATA: UN2735

- **UN proper shipping name**
  - DOT: Amines, liquid, corrosive, n.o.s. (polyethylenepolyamines with the exception of those specified elsewhere in this Annex, Modified Cycloaliphatic Amine)
  - ADR: 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (polyethylenepolyamines with the exception of those specified elsewhere in this Annex, Modified Cycloaliphatic Amine)
  - IMDG, IATA: AMINES, LIQUID, CORROSIVE, N.O.S. (polyethylenepolyamines with the exception of those specified elsewhere in this Annex, Modified Cycloaliphatic Amine)

- **Transport hazard class(es)**
  - **DOT**
    - **Class**: 8 Corrosive substances
    - **Label**: 8

  - **ADR, IMDG, IATA**
    - **Class**: 8 Corrosive substances
    - **Label**: 8

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

- **Environmental hazards**: 
  - **Product contains environmentally hazardous substances:** polyethylenepolyamines with the exception of those specified elsewhere in this Annex

- **Special precautions for user**
  - **Warning**: Corrosive substances
  - **80**

- **EMS Number**: 
  - **8-A.S-B**

- **Segregation groups**: 
  - **Alkalis**

- **Stowage Category**: 
  - **B**

- **Stowage Code**: 
  - SW2 Clear of living quarters.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - **Not applicable.**
### Transport/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:**
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 1000 ml

- **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 Code: E1
  - Excepted quantities (EQ)

- **UN "Model Regulation":**
  - UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (POLYETHYLENEPOLYAMINES WITH THE EXCEPTION OF THOSE SPECIFIED ELSEWHERE IN THIS ANNEX, MODIFIED CYCLOALIPHATIC AMINE), 8, III

### 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 ACTIVE
    14808-60-7 Quartz (SiO2) ACTIVE
    64742-47-8 Distillates (petroleum), hydrotreated light ACTIVE
    90-72-2 2,4,6-tris(dimethylaminomethyl)phenol ACTIVE
    140-31-8 2-piperazin-1-ylethylamine ACTIVE
  - **Hazardous Air Pollutants**
    None of the ingredients is listed.
  - **Proposition 65**
    - **Chemicals known to the State of California (Prop. 65) to cause cancer:**
      14808-60-7 Quartz (SiO2)
    - **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.
**Trade name:** Sure Bond J58 - Part B

- **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)**
    
    | Substance       | TLV       | Category |
    |-----------------|-----------|----------|
    | Quartz (SiO2)   | 14808-60-7 | A2       |
  
  - **MAK (German Maximum Workplace Concentration)**
    
    | Substance       | MAK       | Category |
    |-----------------|-----------|----------|
    | Quartz (SiO2)   | 14808-60-7 | 1        |
  
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    
    | Substance       | NIOSH     | Category |
    |-----------------|-----------|----------|
    | Quartz (SiO2)   | 14808-60-7 |          |

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

- **Hazard pictograms**
  
  ![GHS05](image) ![GHS07](image) ![GHS08](image)

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  
  polyethylenepolyamines with the exception of those specified elsewhere in this Annex
  Quartz (SiO2)
  2-piperazin-1-ylethylamine
  2,4,6-tris(dimethylaminomethyl)phenol

- **Hazard statements**
  
  Harmful if swallowed.
  Causes severe skin burns and eye damage.
  May cause an allergic skin reaction.
  May cause cancer.
  Suspected of damaging fertility or the unborn child.
  May cause respiratory irritation.
  Causes damage to organs through prolonged or repeated exposure.
  Harmful to aquatic life with long lasting effects.

- **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:**

- **Information about limitation of use:**
  
  Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- **Water hazard class:** Water hazard class 3 (Self-assessment): extremely 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 / 1

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
- LDB50: 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
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Carc. 1A: Carcinogenicity – Category 1A
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3