

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 1 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

### SECTION 1: Identification

#### Product identifier

**Product name:** Steel Reinforced Epoxy Resin - Twin Tube - Part A

**Product code:** 8265, 8265S, 8265H, 8280, 8281, 8272, 8276, 8270, 8271, 8276H



#### Recommended use of the product and restriction on use

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Manufacturer:

##### United States

J-B Weld Company, LLC  
400 CMH Road  
Sulphur Springs, TX 75482  
903-885-7696  
info@jbweld.com

#### Emergency telephone number:

##### United States

InfoTrac

Transportation Emergencies (24 hour): 800-535-5053

Poison Control Centers (24 hour): medical emergencies 800-222-1222

### SECTION 2: Hazard(s) identification

#### GHS classification:

Eye irritation, category 2A

Skin irritation, category 2

Skin sensitization, category 1

#### Label elements

##### Hazard pictograms:



**Signal word:** Warning

#### Hazard statements:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

#### Precautionary statements:

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 2 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

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

P337+P313 If eye irritation persists get medical advice/attention

P321 Specific treatment (see supplemental first aid instructions on this label).

P362 Take off contaminated clothing and wash before reuse

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

P332+P313 If skin irritation occurs: Get medical advice/attention

P363 Wash contaminated clothing before reuse

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

P501 Dispose of contents and container in accordance with local regulations.

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

| Identification            | Name   | Weight % |
|---------------------------|--|----------|
| CAS number:<br>1317-65-3  | Calcium Carbonate  | <50      |
| CAS number:<br>25068-38-6 | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | <30      |
| CAS number:<br>14807-96-6 | Talc Powder  | <10      |
| CAS number:<br>9003-36-5  | Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | <5       |
| CAS number:<br>2425-79-8  | 1,4-bis(2,3 epoxypropoxy)butane  | <5       |
| CAS number:<br>65997-17-3 | Glass, oxide, chemicals  | <5       |

### Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

Fiberglass powder (CAS # 65997-17-3) is classified as a carcinogen in its inhalable form. Since the fiberglass powder in this product is not inhalable, the product itself is not classified as a carcinogen in the form presented.

## SECTION 4: First aid measures

### Description of first aid measures

#### General notes:

Not determined or not applicable.

#### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

#### After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Take off all contaminated clothing

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 3 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

Gently blot or brush away excess product  
Wash with plenty of lukewarm, gently flowing water  
Get medical advice if skin irritation occurs or you feel unwell

### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes  
If symptoms develop or persist, seek medical attention  
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open  
Remove contact lenses, if present and easy to do so  
Continue rinsing for 15-20 minutes  
Get medical advice if eye irritation persists

### After swallowing:

Rinse mouth thoroughly  
Seek medical attention if irritation, discomfort, or vomiting persists

### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

Not determined or not applicable.

#### Delayed symptoms and effects:

Not determined or not applicable.

### Immediate medical attention and special treatment

#### Specific treatment:

Not determined or not applicable.

#### Notes for the doctor:

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

#### Unsuitable extinguishing media:

Not determined or not applicable.

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

### Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion  
Heating causes a rise in pressure, risk of bursting and combustion

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation  
Ensure air handling systems are operational  
Wear protective eye wear, gloves and clothing

### Environmental precautions:

Should not be released into the environment  
Prevent from reaching drains, sewer or waterway

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 4 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

### Methods and material for containment and cleaning up:

- Wear protective eye wear, gloves and clothing
- Sweep or scoop up solid material while minimizing dust generation
- Dispose of contents / container in accordance with local regulations

### Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### Precautions for safe handling:

- Use only with adequate ventilation.
- Avoid breathing dust.
- Do not eat, drink, smoke or use personal products when handling chemical substances.

### Conditions for safe storage, including any incompatibilities:

- Keep container tightly sealed.
- Keep container dry.
- Store in a cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

| Country (Legal Basis) | Substance               | Identifier | Permissible concentration   |
|-----------------------|-------------------------|------------|---|
| United States (OSHA)  | Talc Powder             | 14807-96-6 | OSHA PEL Ceiling 20 mppcf   |
|                       | Calcium Carbonate       | 1317-65-3  | OSHA PEL TWA 15 mg/m <sup>3</sup> (Total dust)  |
|                       | Calcium Carbonate       | 1317-65-3  | OSHA PEL TWA 5 mg/m <sup>3</sup> (Respirable fraction)  |
| ACGIH                 | Talc Powder             | 14807-96-6 | ACGIH TLV TWA 2 mg/m <sup>3</sup> ; (Inhalable particulate matter containing no asbestos and < 1% crystalline silica)       |
|                       | Calcium Carbonate       | 1317-65-3  | ACGIH TLV TWA 10.0 mg/m <sup>3</sup> ((Inhalable particulate matter containing no asbestos and < 1% crystalline silica)     |
|                       | Glass, oxide, chemicals | 65997-17-3 | 8-Hour Exposure Limit (TLV-TWA): 1 fibers/cm <sup>3</sup>   |
| NIOSH                 | Talc Powder             | 14807-96-6 | NIOSH REL TWA 2.0 mg/m <sup>3</sup>   |
|                       | Calcium Carbonate       | 1317-65-3  | REL: 10 mg/m <sup>3</sup> (Total dust); 5 mg/m <sup>3</sup> (Respirable dust)   |
|                       | Glass, oxide, chemicals | 65997-17-3 | NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek] is: 3 fibers/cm <sup>3</sup> |

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 5 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

|  |  |
|--|--|
| <b>Appearance</b>                              | Off White - Paste  |
| <b>Odor</b>                                    | Ethereal (slight)  |
| <b>Odor threshold</b>                          | Not determined or not available.   |
| <b>pH</b>                                      | Not determined or not available.   |
| <b>Melting point/freezing point</b>            | Not determined or not available.   |
| <b>Initial boiling point/range</b>             | Not determined or not available.   |
| <b>Flash point (closed cup)</b>                | Closed cup: >93.3°C (>199.9°F) [Setaflash.] [Product does not sustain combustion.] |
| <b>Evaporation rate</b>                        | Not determined or not available.   |
| <b>Flammability (solid, gas)</b>               | Not determined or not available.   |
| <b>Upper flammability/explosive limit</b>      | Not determined or not available.   |
| <b>Lower flammability/explosive limit</b>      | Not determined or not available.   |
| <b>Vapor pressure</b>                          | Not determined or not available.   |
| <b>Vapor density</b>                           | Not determined or not available.   |
| <b>Density</b>                                 | Not determined or not available.   |
| <b>Relative density</b>                        | 1.927  |
| <b>Solubilities</b>                            | Insoluble in the following materials: cold water and hot water.                    |
| <b>Partition coefficient (n-octanol/water)</b> | Not determined or not available.   |
| <b>Auto/Self-ignition temperature</b>          | Not determined or not available.   |
| <b>Decomposition temperature</b>               | >220 °C (>428 °F)  |
| <b>Dynamic viscosity</b>                       | Not determined or not available.   |
| <b>Kinematic viscosity</b>                     | Not determined or not available.   |
| <b>Explosive properties</b>                    | Not determined or not available.   |
| <b>Oxidizing properties</b>                    | Not determined or not available.   |

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 6 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

### Other information

|                     |  |
|---------------------|--|
| <b>Flammability</b> | Non-flammable in the presence of the following materials or conditions: heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture. |
| <b>VOC Content</b>  | <1%  |

## SECTION 10: Stability and reactivity

### Reactivity:

Does not react under normal conditions of use and storage.

### Chemical stability:

Stable under normal conditions of use and storage.

### Possibility of hazardous reactions:

None under normal conditions of use and storage.

### Conditions to avoid:

None known.

### Incompatible materials:

None known.

### Hazardous decomposition products:

None known.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

| Name                            | Route  | Result                      |
|---------------------------------|--------|-----------------------------|
| 1,4-bis(2,3 epoxypropoxy)butane | dermal | LD50 - Rabbit - 1,130 mg/kg |

### Skin corrosion/irritation

#### Assessment:

Causes skin irritation

#### Product data:

No data available.

#### Substance data:

| Name   | Result                  |
|--|-------------------------|
| Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | Causes skin irritation. |
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | Causes skin irritation. |
| 1,4-bis(2,3 epoxypropoxy)butane  | Causes skin irritation. |

### Serious eye damage/irritation

#### Assessment:

Causes serious eye irritation

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 7 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

### Product data:

No data available.

### Substance data:

| Name   | Result                         |
|--|--------------------------------|
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | Causes serious eye irritation. |
| 1,4-bis(2,3 epoxypropoxy)butane  | Causes serious eye irritation. |

### Respiratory or skin sensitization

#### Assessment:

May cause an allergic skin reaction

#### Product data:

No data available.

#### Substance data:

| Name   | Result                               |
|--|--------------------------------------|
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | May cause an allergic skin reaction. |
| Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | May cause an allergic skin reaction. |
| 1,4-bis(2,3 epoxypropoxy)butane  | May cause an allergic skin reaction. |

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

| Name                    | Species        | Result                           |
|-------------------------|----------------|----------------------------------|
| Glass, oxide, chemicals | Not applicable | May cause cancer via inhalation. |

### International Agency for Research on Cancer (IARC):

| Name                    | Classification   |
|-------------------------|--|
| Glass, oxide, chemicals | Group 2B   |
| Talc Powder             | Group 3 - Not classifiable as to its carcinogenicity to humans |

### National Toxicology Program (NTP):

| Name                    | Classification                                 |
|-------------------------|--|
| Glass, oxide, chemicals | Reasonably anticipated to be human carcinogens |

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 8 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name   | Result   |
|--|--|
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | EC50 - Scenedesmus capricornutum - 9 mg/L - 48 h |

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name  | Result                              |
|---|-------------------------------------|
| Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol | NOEC Daphnia magna: 0.3 mg/L (21 d) |

### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil



# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 9 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

### SECTION 13: Disposal considerations

#### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

### SECTION 14: Transport information

#### United States Transportation of dangerous goods (49 CFR DOT)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Maritime Dangerous Goods (IMDG)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

|                    |      |
|--------------------|------|
| Bulk Name          | None |
| Ship type          | None |
| Pollution category | None |

### SECTION 15: Regulatory information

#### United States regulations

##### Inventory listing (TSCA):

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 10 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

|            |  |        |
|------------|--|--------|
| 25068-38-6 | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | Listed |
| 9003-36-5  | Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | Listed |
| 2425-79-8  | 1,4-bis(2,3 epoxypropoxy)butane  | Listed |
| 65997-17-3 | Glass, oxide, chemicals  | Listed |
| 14807-96-6 | Talc Powder  | Listed |
| 1317-65-3  | Calcium Carbonate  | Listed |

**Significant New Use Rule (TSCA Section 5):** Not determined.

**Export notification under TSCA Section 12(b):** Not determined.

**SARA Section 302 extremely hazardous substances:** Not determined.

**SARA Section 313 toxic chemicals:**

|            |  |            |
|------------|--|------------|
| 25068-38-6 | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | Not Listed |
| 9003-36-5  | Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | Not Listed |
| 2425-79-8  | 1,4-bis(2,3 epoxypropoxy)butane  | Not Listed |
| 65997-17-3 | Glass, oxide, chemicals  | Not Listed |
| 14807-96-6 | Talc Powder  | Not Listed |
| 1317-65-3  | Calcium Carbonate  | Not Listed |

**CERCLA:** Not determined.

**RCRA:** Not determined.

**Section 112(r) of the Clean Air Act (CAA):** Not determined.

**Massachusetts Right to Know:**

|            |  |            |
|------------|--|------------|
| 25068-38-6 | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | Not Listed |
| 9003-36-5  | Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | Not Listed |
| 2425-79-8  | 1,4-bis(2,3 epoxypropoxy)butane  | Not Listed |
| 65997-17-3 | Glass, oxide, chemicals  | Listed     |
| 14807-96-6 | Talc Powder  | Listed     |
| 1317-65-3  | Calcium Carbonate  | Listed     |

**New Jersey Right to Know:**

|            |  |            |
|------------|--|------------|
| 25068-38-6 | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | Not Listed |
| 9003-36-5  | Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | Not Listed |
| 2425-79-8  | 1,4-bis(2,3 epoxypropoxy)butane  | Not Listed |
| 65997-17-3 | Glass, oxide, chemicals  | Listed     |
| 14807-96-6 | Talc Powder  | Listed     |
| 1317-65-3  | Calcium Carbonate  | Listed     |

**New York Right to Know:**

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 11 of 11

## Steel Reinforced Epoxy Resin - Twin Tube - Part A

|            |  |            |
|------------|--|------------|
| 25068-38-6 | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | Not Listed |
| 9003-36-5  | Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | Not Listed |
| 2425-79-8  | 1,4-bis(2,3 epoxypropoxy)butane  | Not Listed |
| 65997-17-3 | Glass, oxide, chemicals  | Not Listed |
| 14807-96-6 | Talc Powder  | Not Listed |
| 1317-65-3  | Calcium Carbonate  | Not Listed |

### Pennsylvania Right to Know:

|            |  |            |
|------------|--|------------|
| 25068-38-6 | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran | Not Listed |
| 9003-36-5  | Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol              | Not Listed |
| 2425-79-8  | 1,4-bis(2,3 epoxypropoxy)butane  | Not Listed |
| 65997-17-3 | Glass, oxide, chemicals  | Listed     |
| 14807-96-6 | Talc Powder  | Listed     |
| 1317-65-3  | Calcium Carbonate  | Listed     |

**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 3-0-0

**HMIS:** 3-0-0

**Initial preparation date:** 06.15.2018

**End of Safety Data Sheet**

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 1 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

### SECTION 1: Identification

#### Product identifier

**Product name:** Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube  
- Part B

**Product code:** 8276, 8270, 8271, 8276H



#### Recommended use of the product and restriction on use

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Manufacturer:

##### United States

J-B Weld Company, LLC  
400 CMH Road  
Sulphur Springs, TX 75482  
903-885-7696  
info@jbweld.com

#### Emergency telephone number:

##### United States

InfoTrac

Transportation Emergencies (24 hour): 800-535-5053

Poison Control Centers (24 hour): medical emergencies 800-222-1222

### SECTION 2: Hazard(s) identification

#### GHS classification:

Skin sensitization, category 1

#### Label elements

##### Hazard pictograms:



**Signal word:** Warning

#### Hazard statements:

H317 May cause an allergic skin reaction.

#### Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P321 Specific treatment (see supplemental first aid instructions on this label).

P363 Wash contaminated clothing before reuse

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

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

P501 Dispose of contents and container in accordance with local regulations.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 2 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

Hazards not otherwise classified: None

### SECTION 3: Composition/information on ingredients

| Identification            | Name              | Weight % |
|---------------------------|-------------------|----------|
| CAS number:<br>72244-98-5 | Curing Agent      | <40      |
| CAS number:<br>7727-43-7  | Barium Sulphate   | <30      |
| CAS number:<br>1317-65-3  | Calcium Carbonate | <30      |
| CAS number:<br>14807-96-6 | Talc Powder       | <10      |
| CAS number:<br>90-72-2    | Amine Mix         | <5       |
| CAS number:<br>65997-17-3 | Fiberglass Powder | <5       |
| CAS number:<br>13463-67-7 | Titanium Dioxide  | <1       |

#### Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

Fiberglass powder (CAS # 65997-17-3) is classified as a carcinogen in its inhalable form. Since the fiberglass powder in this product is not inhalable, the product itself is not classified as a carcinogen in the form presented.

### SECTION 4: First aid measures

#### Description of first aid measures

##### General notes:

Not determined or not applicable.

##### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

##### After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

##### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

##### After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

#### Most important symptoms and effects, both acute and delayed

##### Acute symptoms and effects:

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 3 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

Not determined or not applicable.

### Delayed symptoms and effects:

Not determined or not applicable.

### Immediate medical attention and special treatment

#### Specific treatment:

Not determined or not applicable.

#### Notes for the doctor:

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

#### Unsuitable extinguishing media:

Not determined or not applicable.

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

### Special precautions:

Not determined or not applicable.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

### Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)

Dispose of contents / container in accordance with local regulations

### Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

### Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 4 of 11

### Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

Store in a cool, well-ventilated area.

### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

| Country (Legal Basis) | Substance         | Identifier | Permissible concentration   |
|-----------------------|-------------------|------------|---|
| United States (OSHA)  | Talc Powder       | 14807-96-6 | OSHA PEL Ceiling 20 mppcf   |
|                       | Calcium Carbonate | 1317-65-3  | OSHA PEL TWA 15 mg/m <sup>3</sup> (Total dust)  |
|                       | Titanium Dioxide  | 13463-67-7 | OSHA PEL TWA 15 mg/m <sup>3</sup> (Total dust)  |
|                       | Calcium Carbonate | 1317-65-3  | OSHA PEL TWA 5 mg/m <sup>3</sup> (Respirable fraction)  |
|                       | Barium Sulphate   | 7727-43-7  | OSHA PEL TWA 15 mg/m <sup>3</sup> (Total dust)  |
|                       | Barium Sulphate   | 7727-43-7  | OSHA PEL TWA 5 mg/m <sup>3</sup> (Respirable fraction)  |
| ACGIH                 | Barium Sulphate   | 7727-43-7  | ACGIH TLV TWA 5.0 mg/m <sup>3</sup> (inhalable fraction, particulate containing no asbestos and <1% crystalline silica)     |
|                       | Talc Powder       | 14807-96-6 | ACGIH TLV TWA 2 mg/m <sup>3</sup> ; (Inhalable particulate matter containing no asbestos and < 1% crystalline silica)       |
|                       | Titanium Dioxide  | 13463-67-7 | ACGIH TLV TWA 10 mg/m <sup>3</sup>  |
|                       | Calcium Carbonate | 1317-65-3  | ACGIH TLV TWA 10.0 mg/m <sup>3</sup> ((Inhalable particulate matter containing no asbestos and < 1% crystalline silica)     |
|                       | Fiberglass Powder | 65997-17-3 | 8-Hour Exposure Limit (TLV-TWA): 1 fibers/cm <sup>3</sup>   |
| NIOSH                 | Barium Sulphate   | 7727-43-7  | NIOSH TWA 5.0 mg/m <sup>3</sup> (Respirable fraction)   |
|                       | Talc Powder       | 14807-96-6 | NIOSH REL TWA 2.0 mg/m <sup>3</sup>   |
|                       | Barium Sulphate   | 7727-43-7  | NIOSH TWA 10.0 mg/m <sup>3</sup> (Total dust)   |
|                       | Calcium Carbonate | 1317-65-3  | REL: 10 mg/m <sup>3</sup> (Total dust); 5 mg/m <sup>3</sup> (Respirable dust)   |
|                       | Titanium Dioxide  | 13463-67-7 | IDLH: 5,000 mg/m <sup>3</sup>   |
|                       | Fiberglass Powder | 65997-17-3 | NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek] is: 3 fibers/cm <sup>3</sup> |

#### Biological limit values:

No biological exposure limits noted for the ingredient(s).

#### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 5 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

|  |  |
|--|--|
| <b>Appearance</b>                              | Dark grey - Paste  |
| <b>Odor</b>                                    | Pungent. [Strong]  |
| <b>Odor threshold</b>                          | Not determined or not available.   |
| <b>pH</b>                                      | Not determined or not available.   |
| <b>Melting point/freezing point</b>            | Not determined or not available.   |
| <b>Initial boiling point/range</b>             | Not determined or not available.   |
| <b>Flash point (closed cup)</b>                | Closed cup: >93.3°C (>199.9°F) [Setaflash.] [Product does not sustain combustion.] |
| <b>Evaporation rate</b>                        | Not determined or not available.   |
| <b>Flammability (solid, gas)</b>               | Not determined or not available.   |
| <b>Upper flammability/explosive limit</b>      | Not determined or not available.   |
| <b>Lower flammability/explosive limit</b>      | Not determined or not available.   |
| <b>Vapor pressure</b>                          | Not determined or not available.   |
| <b>Vapor density</b>                           | Not determined or not available.   |
| <b>Density</b>                                 | Not determined or not available.   |
| <b>Relative density</b>                        | 1.902  |
| <b>Solubilities</b>                            | Not determined or not available.   |
| <b>Partition coefficient (n-octanol/water)</b> | Not determined or not available.   |
| <b>Auto/Self-ignition temperature</b>          | Not determined or not available.   |
| <b>Decomposition temperature</b>               | >220 °C (>392 °F)  |
| <b>Dynamic viscosity</b>                       | Not determined or not available.   |
| <b>Kinematic viscosity</b>                     | Not determined or not available.   |
| <b>Explosive properties</b>                    | Not determined or not available.   |
| <b>Oxidizing properties</b>                    | Not determined or not available.   |



# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 6 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

### Other information

|             |     |
|-------------|-----|
| VOC Content | <1% |
|-------------|-----|

## SECTION 10: Stability and reactivity

### Reactivity:

Does not react under normal conditions of use and storage.

### Chemical stability:

Stable under normal conditions of use and storage.

### Possibility of hazardous reactions:

None under normal conditions of use and storage.

### Conditions to avoid:

None known.

### Incompatible materials:

None known.

### Hazardous decomposition products:

None known.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

| Name      | Route | Result                   |
|-----------|-------|--------------------------|
| Amine Mix | oral  | LD50 - Rat - 1,200 mg/kg |

### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

#### Substance data:

| Name      | Result                  |
|-----------|-------------------------|
| Amine Mix | Causes skin irritation. |

### Serious eye damage/irritation

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

#### Substance data:

| Name      | Result                         |
|-----------|--------------------------------|
| Amine Mix | Causes serious eye irritation. |

### Respiratory or skin sensitization

#### Assessment:

May cause an allergic skin reaction

#### Product data:

No data available.

#### Substance data:

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 7 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

| Name         | Result                               |
|--------------|--------------------------------------|
| Curing Agent | May cause an allergic skin reaction. |

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name              | Species         | Result  |
|-------------------|-----------------|---|
| Fiberglass Powder | Not applicable  | May cause cancer via inhalation.  |
| Titanium Dioxide  | Not applicable. | Airborne, unbound particles of respirable size are known to cause cancer. |

### International Agency for Research on Cancer (IARC):

| Name              | Classification   |
|-------------------|--|
| Fiberglass Powder | Group 2B   |
| Talc Powder       | Group 3 - Not classifiable as to its carcinogenicity to humans |
| Titanium Dioxide  | Group 2B   |

### National Toxicology Program (NTP):

| Name              | Classification                                 |
|-------------------|--|
| Fiberglass Powder | Reasonably anticipated to be human carcinogens |

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 8 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name         | Result  |
|--------------|---|
| Curing Agent | NOEC - Daphnia magna (Water flea) - 3.5 mg/L - 21 d |

### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

## SECTION 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

### International Maritime Dangerous Goods (IMDG)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 9 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

|                                     |      |
|-------------------------------------|------|
| <b>Environmental hazards</b>        | None |
| <b>Special precautions for user</b> | None |

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

|                                      |               |
|--------------------------------------|---------------|
| <b>UN number</b>                     | Not regulated |
| <b>UN proper shipping name</b>       | Not regulated |
| <b>UN transport hazard class(es)</b> | None          |
| <b>Packing group</b>                 | None          |
| <b>Environmental hazards</b>         | None          |
| <b>Special precautions for user</b>  | None          |

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

|                           |      |
|---------------------------|------|
| <b>Bulk Name</b>          | None |
| <b>Ship type</b>          | None |
| <b>Pollution category</b> | None |

## SECTION 15: Regulatory information

### United States regulations

#### Inventory listing (TSCA):

|            |                   |        |
|------------|-------------------|--------|
| 72244-98-5 | Curing Agent      | Listed |
| 90-72-2    | Amine Mix         | Listed |
| 65997-17-3 | Fiberglass Powder | Listed |
| 14807-96-6 | Talc Powder       | Listed |
| 1317-65-3  | Calcium Carbonate | Listed |
| 13463-67-7 | Titanium Dioxide  | Listed |
| 7727-43-7  | Barium Sulphate   | Listed |

**Significant New Use Rule (TSCA Section 5):** Not determined.

**Export notification under TSCA Section 12(b):** Not determined.

**SARA Section 302 extremely hazardous substances:** Not determined.

#### SARA Section 313 toxic chemicals:

|            |                   |            |
|------------|-------------------|------------|
| 72244-98-5 | Curing Agent      | Not Listed |
| 90-72-2    | Amine Mix         | Not Listed |
| 65997-17-3 | Fiberglass Powder | Not Listed |
| 14807-96-6 | Talc Powder       | Not Listed |
| 1317-65-3  | Calcium Carbonate | Not Listed |
| 13463-67-7 | Titanium Dioxide  | Not Listed |
| 7727-43-7  | Barium Sulphate   | Listed     |

**CERCLA:** Not determined.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 10 of 11

## Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

### Massachusetts Right to Know:

|            |                   |            |
|------------|-------------------|------------|
| 72244-98-5 | Curing Agent      | Not Listed |
| 90-72-2    | Amine Mix         | Not Listed |
| 65997-17-3 | Fiberglass Powder | Listed     |
| 14807-96-6 | Talc Powder       | Listed     |
| 1317-65-3  | Calcium Carbonate | Listed     |
| 13463-67-7 | Titanium Dioxide  | Listed     |
| 7727-43-7  | Barium Sulphate   | Listed     |

### New Jersey Right to Know:

|            |                   |            |
|------------|-------------------|------------|
| 72244-98-5 | Curing Agent      | Not Listed |
| 90-72-2    | Amine Mix         | Not Listed |
| 65997-17-3 | Fiberglass Powder | Listed     |
| 14807-96-6 | Talc Powder       | Listed     |
| 1317-65-3  | Calcium Carbonate | Listed     |
| 13463-67-7 | Titanium Dioxide  | Listed     |
| 7727-43-7  | Barium Sulphate   | Listed     |

### New York Right to Know:

|            |                   |            |
|------------|-------------------|------------|
| 72244-98-5 | Curing Agent      | Not Listed |
| 90-72-2    | Amine Mix         | Not Listed |
| 65997-17-3 | Fiberglass Powder | Not Listed |
| 14807-96-6 | Talc Powder       | Not Listed |
| 1317-65-3  | Calcium Carbonate | Not Listed |
| 13463-67-7 | Titanium Dioxide  | Listed     |
| 7727-43-7  | Barium Sulphate   | Not Listed |

### Pennsylvania Right to Know:

|            |                   |            |
|------------|-------------------|------------|
| 72244-98-5 | Curing Agent      | Not Listed |
| 90-72-2    | Amine Mix         | Not Listed |
| 65997-17-3 | Fiberglass Powder | Listed     |
| 14807-96-6 | Talc Powder       | Listed     |
| 1317-65-3  | Calcium Carbonate | Listed     |
| 13463-67-7 | Titanium Dioxide  | Listed     |
| 7727-43-7  | Barium Sulphate   | Listed     |

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.15.2018

Page 11 of 11

### Steel Reinforced Epoxy Hardener - Fast Cure - Twin Tube - Part B

**California Proposition 65:** ⚠WARNING: Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

#### SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 3-0-0

**HMIS:** 3-0-0

**Initial preparation date:** 06.15.2018

**End of Safety Data Sheet**