



# SAFETY DATA SHEET

Issuing Date 28-Oct-2014

Revision Date 17-Oct-2014

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product SDS Name Clear Epoxy Resin – Syringe – Part A

### J-B Weld FG SKU Part Numbers Covered

50112, 50101, 50132, 50112-F, 50101-F, 50132-F, 80112, 40002

### J-B Weld Product Names Covered

ClearWeld™ (all), PlasticWeld™ Syringe, MinuteWeld™ Syringe, Wood Restore™ Liquid Epoxy

### J-B Weld Product Type

Epoxy

### Recommended use of the chemical and restrictions on use

Recommended Use General Purpose Adhesive

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name J-B WELD COMPANY,LLC  
Supplier Address 1130 COMO ST  
SULPHUR SPRINGS, TX 75482  
USA

**Emergency Telephone Numbers** Transportation Emergencies: Chemtrec (24 hour transportation emergency response info): 800-424-9300 or 703-527-3887  
Poison/Medical Emergencies: Poison Control Centers (24 hour emergency poison / medical response info): 800-222-1222

Supplier Email [info@jbweld.com](mailto:info@jbweld.com)

Supplier Phone Number 903-885-7696




**2. HAZARDS IDENTIFICATION**

**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 1 |
| Skin sensitization                | Category 1 |

**GHS Label elements, including precautionary statements**

| Emergency Overview   |                                  |                        |
|--|----------------------------------|------------------------|
| <b>Signal word</b>   | <b>Warning</b>                   |                        |
| <b>Hazard Statements</b>   |                                  |                        |
| Causes severe skin irritation  |                                  |                        |
| May cause an allergic skin reaction  |                                  |                        |
| May cause serious eye damage / eye irritation                                      |                                  |                        |
|  |                                  |                        |
| <b>Appearance</b> Clear  | <b>Physical State</b> Gel Liquid | <b>Odor</b> Ammoniacal |

**Precautionary Statements - Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- Do not breathe dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves

**Precautionary Statements - Response**

- Immediately call a doctor/physician or poison control center.
- Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a doctor/physician

**Skin**

Call a POISON CENTER or doctor/physician if you feel unwell  
 Wash contaminated clothing before reuse  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation or rash occurs: Get medical advice/attention



**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

**Ingestion**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

75% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Harmful to aquatic life with long lasting effects

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

**Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                                    | CAS No     | Weight-% |
|--|------------|----------|
| Diglycidyl bisphenol A resin                     | 25085-99-8 | 95       |
| Oxirane, [[4-(1,1-dimethylethyl)phenoxy]methyl]- | 3101-60-8  | 5        |

### 4. FIRST AID MEASURES

· **4.1 Description of first aid measures**

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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 remove any clothing soiled by the product. If skin irritation continues, consult a doctor.

· **After eye contact:**

Protect unharmed eye.

Rinse opened eye for several minutes under running water. Then consult a doctor. Do not remove contact lenses if worn.



**· After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

**· 4.2 Most important symptoms and effects, both acute and delayed Allergic reactions**

Nausea

Dizziness

**· Hazards** Danger of impaired breathing.**· 4.3 Indication of any immediate medical attention and special treatment needed**

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Monitor circulation.

## 5. FIRE-FIGHTING MEASURES

**· 5.1 Extinguishing media****· Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.**· 5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

**· 5.3 Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**· Additional information** Cool endangered receptacles with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

**· 6.1 Personal precautions, protective equipment and emergency procedures**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Remove persons from danger area.

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

**· 6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**· 6.3 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.

Clean the affected area carefully; suitable cleaners are:

Warm water and cleansing agent

**· 6.4 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

### · 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about fire - and explosion protection:** No special measures required.

### · 7.2 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:**

Store away from oxidizing agents.

Store away from foodstuffs.

Do not store together with acids.

· **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

· **7.3 Specific end use(s)** No further relevant information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

### · 8.1 Control parameters

#### · **Ingredients 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 valid during the making were used as basis.

### · 8.2 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.

#### · **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Use suitable respiratory protective device when aerosol or mist is formed.

#### · **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### · Eye protection:



Safety glasses

Goggles recommended during refilling

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### · 9.1 Information on basic physical and chemical properties ·

#### General Information

#### · Appearance:

|                    |                 |
|--------------------|-----------------|
| Form:              | Liquid          |
| Colour:            | Light yellow    |
| · Odour:           | Characteristic  |
| · Odour threshold: | Not determined. |

· pH-value: Not determined.

#### · Change in condition

|                              |                    |
|------------------------------|--------------------|
| Melting point/Melting range: | Undetermined.      |
| Boiling point/Boiling range: | > 200°C (> 392 °F) |

· Flash point: > 93,3°C (> 200 °F)

· Flammability (solid, gaseous): Not applicable.

#### · Ignition temperature:

Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

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

#### · Explosion limits:

|        |                 |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

|   |  |
|---|--|
| · <b>Vapour pressure:</b>                         | Not determined.                            |
| · <b>Density at 20°C:</b>                         | 1,13 g/cm <sup>3</sup>                     |
| · <b>Relative density</b>                         | Not determined. ·                          |
| <b>Vapour density</b>                             | Not determined.                            |
| · <b>Evaporation rate</b>                         | Not determined.                            |
| · <b>Solubility in/Miscibility with water:</b>    | Not miscible or difficult to mix.          |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                   | Not determined.                            |
| <b>Kinematic:</b>                                 | Not determined.                            |
| · <b>VOC (% content)</b>                          | <1%  |
| <b>Dynamic:</b>                                   | Not determined.                            |
| · <b>9.2 Other information</b>                    | No further relevant information available. |

## 10. STABILITY AND REACTIVITY

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with oxidizing agents.  
Reacts with amines.  
Exothermic polymerization.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

## 11. TOXICOLOGY INFORMATION

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:**  
Sensitization possible through skin contact.  
Sensitizing effect through inhalation is possible by prolonged exposure.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

**12. ECOLOGICAL INFORMATION**

· **12.1 Toxicity**

· **Aquatic toxicity:** The product contains materials that are harmful to the environment.

· **12.2 Persistence and degradability:** The product is not easily, but potentially degradable.

· **12.3 Bioaccumulative potential**

Due to the distribution coefficient n-octanol/water an accumulation in organisms is possible.

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (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.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects:** No further relevant information available.

**13. DISPOSAL CONSIDERATIONS**

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.


· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

**14. TRANSPORT INFORMATION**

|  |               |
|--|---------------|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· DOT, ADR, ADN, IMDG, IATA</li> </ul>                       | Not Regulated |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· DOT, ADR, ADN, IMDG, IATA</li> </ul>         | Not Regulated |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· DOT, ADR, ADN</li> <li>· Class</li> </ul> | Not Regulated |



|   |                 |
|---|-----------------|
| <ul style="list-style-type: none"> <li>· <b>IMDG, IATA</b></li> </ul>  |                 |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> </ul>  | Not Regulated   |
| <ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> </ul>   |                 |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>   | Not Regulated   |
| <ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> </ul>  |                 |
| <ul style="list-style-type: none"> <li>· <b>Marine pollutant:</b></li> </ul>  | Not Regulated   |
| <ul style="list-style-type: none"> <li>· <b>Special marking (IATA):</b></li> </ul>  | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> </ul>  | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>                 |                 |
| <ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>   | -               |

**15. REGULATORY INFORMATION**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

|  |                                    |
|--|------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>Section 355 (extremely hazardous substances):</b></li> </ul>               | None of the ingredients is listed. |
| <ul style="list-style-type: none"> <li>· <b>Section 313 (Specific toxic chemical listings):</b></li> </ul>             | None of the ingredients is listed. |
| <ul style="list-style-type: none"> <li>· <b>TSCA (Toxic Substances Control Act):</b></li> </ul>                        | All ingredients are listed.        |
| <ul style="list-style-type: none"> <li>· <b>Proposition 65 (California):</b></li> </ul>                                |                                    |
| <ul style="list-style-type: none"> <li>· <b>Chemicals known to cause cancer:</b></li> </ul>                            | None of the ingredients is listed. |
| <ul style="list-style-type: none"> <li>· <b>Chemicals known to cause reproductive toxicity for females:</b></li> </ul> | None of the ingredients is listed. |
| <ul style="list-style-type: none"> <li>· <b>Chemicals known to cause reproductive toxicity for males:</b></li> </ul>   | None of the ingredients is listed. |

|   |                                    |
|---|------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>Chemicals known to cause developmental toxicity:</b></li> </ul> | None of the ingredients is listed. |
|---|------------------------------------|

- **Carcinogenic Categories**
- **EPA (Environmental Protection Agency)**

|  |                                    |
|--|------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>EPA (Environmental Protection Agency)</b></li> </ul> | None of the ingredients is listed. |
|--|------------------------------------|



|  |
|--|
| · <b>IARC (International Agency for Research on Cancer)</b>                                      |
| None of the ingredients is listed.   |
| · <b>TLV (Threshold Limit Value established by ACGIH)</b>  |
| None of the ingredients is listed.   |
| · <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>                        |
| None of the ingredients is listed.   |
| · <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>                               |
| None of the ingredients is listed.   |
| · <b>Canada</b>  |
| · <b>Canadian Domestic Substances List (DSL)</b>   |
| All ingredients are listed.  |
| · <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>  |
| None of the ingredients is listed.   |
| · <b>Canadian Ingredient Disclosure list (limit 1%)</b>  |
| None of the ingredients is listed.   |
| · <b>15.2 Chemical safety assessment:</b> 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.

### · Relevant phrases

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H341: Suspected of causing genetic defects.

H411: Toxic to aquatic life with long lasting effects.

R36/38: Irritating to eyes and skin.

R38: Irritating to skin.

R43: May cause sensitisation by skin contact.

R46: May cause heritable genetic damage. R51: Toxic to aquatic organisms.

### · 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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)



**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text

**End of Safety Data Sheet**