

# MATERIAL SAFETY DATA SHEET

Product Code: 40005, 40006, 40007

Product Name: J-B WELD WR PREMIUM EPOXY PUTTY - RESIN (PART A)

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## 1. COMPANY IDENTIFICATION

J-B Weld Co.  
P.O. Box 483  
1130 Como St.  
Sulphur Springs, Texas 75483  
Phone: (903) 885-7696  
Fax: (903) 885-5911

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component/Exposure Limits</u>	<u>CAS Number</u>	<u>% by Wt.</u>
<b>Diglycidyl Ether of Bisphenol A</b> INGESTION LD(50): >5000 mg/kg (rat) SKIN ABSORPTION: 20000 mg/kg (rabbit)	25085-99-8	40% to 50%

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## 3. HAZARDS IDENTIFICATION

### Potential Health Effects

**EYE:** May cause moderate eye irritation.

**SKIN:** Has caused allergic skin reactions in humans. A single exposure is not likely to cause skin irritation. Prolonged and repeated contact may cause skin irritation with local redness.

**INGESTION:** Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

**INHALATION:** Vapors are unlikely due to physical properties.

**CHRONIC (CANCER) INFORMATION:** N/E

**TERATOLOGY (BIRTH DEFECT) INFORMATION:** N/E

**REPRODUCTION INFORMATION:** N/E

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## 4. FIRST AID MEASURES

**EYES:** Flush eyes thoroughly with water for several minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**SKIN:** Wash skin with plenty of soap and water.

**INGESTION:** No emergency medical treatment necessary.

**INHALATION:** N/A

**NOTE TO PHYSICIANS:** Consider additional thorough skin wash with mild, non-abrasive soap and plenty of warm water for at least 15 minutes.

N/A = Not Applicable, N/E = Not Evaluated, N/Av = Not Available

## 5. FIRE FIGHTING MEASURES

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### FLAMMABLE PROPERTIES:

**FLASH POINT:** >140°F (60°C)      **Method:** N/A

### FLAMMABLE LIMITS:

**Lower flammable limit:** N/A

**Upper flammable limit:** N/A

**AUTOIGNITION TEMPERATURE:** N/A

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, aldehydes and acids.

**EXTINGUISHING MEDIA:** FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG, OTHER.

**FIREFIGHTING INSTRUCTIONS:** Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool. Firefighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

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**SPILLS:** Dispose of in normal manner in accordance to all applicable state, provincial, federal and local laws. Not a hazardous waste.

## 7. HANDLING AND STORAGE

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**HANDLING:** No special precautions are needed.

**Personal hygiene** - Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Professionally launder contaminated clothing before re-use.

**Empty container precautions** - Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

### STORAGE:

**Temperature** – Less than 90°F (32°C).

**Conditions** – Store in cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS:

**Local exhaust:** Use to keep exposures below recommendations. Use if material is heated above 100°F (38°C).

**RESPIRATORY PROTECTION:** None required in a well-ventilated area.

**SKIN PROTECTION:** Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for the specific operation.

**EYE PROTECTION:** Safety glasses or goggles

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**BOILING POINT:** N/A  
**MELTING POINT:** N/A  
**VAPOR PRESSURE:** N/A  
**VAPOR DENSITY:** N/A  
**SOLUBILITY IN WATER:** Insoluble in water  
**SPECIFIC GRAVITY:** 1.2  
**pH:** N/A  
**VOLATILE ORGANIC COMPOUNDS:** <0.1%  
**ODOR:** Sweet to none  
**APPEARANCE:** Tan paste

## 10. STABILITY AND REACTIVITY

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**CHEMICAL STABILITY (CONDITIONS TO AVOID):** This product is stable.

**INCOMPATIBILITY:** None.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, aldehydes and acids.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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**EYE:** N/E

**SKIN:** N/E

**INGESTION:** N/E

**INHALATION:** N/E

**SUBCHRONIC:** N/E

**CHRONIC/CARCINOGENICITY:** N/E

**TERATOLOGY:** N/E

**REPRODUCTION:** N/E

**MUTAGENICITY:** N/E

## 12. ECOLOGICAL INFORMATION

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**ECOTOXICOLOGICAL INFORMATION:** N/E

**CHEMICAL FATE INFORMATION:** N/E

## 13. DISPOSAL CONSIDERATIONS

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Incinerate in furnace or bury in landfill in accordance with all applicable regulations. Not classified as a hazardous waste.

N/A = Not Applicable, N/E = Not Evaluated, N/Av = Not Available

Product Code: 40005, 40006, 40007

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## 14. TRANSPORT INFORMATION

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Not DOT regulated.

## 15. REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS:

**TSCA:** All ingredients are TSCA listed.

**OSHA:** Not OSHA regulated.

**CERCLA: SARA HAZARD CATEGORY:** Not regulated.

**SECTION 313:** Not regulated.

### U.S. STATE REGULATIONS:

**CALIFORNIA PROPOSITION 65:** This product contains the following chemicals known to the state of California to cause cancer or reproductive toxicity:

None.

The following ingredients are present in this material and are subject to reporting in accordance to the Pennsylvania, New Jersey, and/or Massachusetts Right-to-Know (RTK) laws:

Fumed Silica (CAS: 67762-90-7)

Sodium Silicate (CAS 1344-09-8)

Sodium Borate (CAS: 7795-19-1)

### INTERNATIONAL REGULATIONS:

**CANADIAN WHMIS CLASSIFICATION:** DB2 skin sensitizer. When this product is labeled as a consumer product it is exempt from WHMIS regulations. (See Section 12(f) of the Hazardous Products Act.)



**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):** N/A

**T.D.G. CLASSIFICATION:** Not regulated.

**EINECS:** EINECS listed.

(Not meant to be an all-inclusive list – contact PSI for further information.)

## 16. OTHER INFORMATION

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### Hazard Ratings

NFPA Ratings: Health: 1 Fire: 0 Physical Data: 0 PPE: B

MSDS Last Revised: 08/10/10

Created by: I. David Crossan

### NOTE:

**USERS RESPONSIBILITY:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

**DISCLAIMER OF LIABILITY:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. All chemicals may present

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unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature, are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.



# MATERIAL SAFETY DATA SHEET

Product Code: 40005, 40006, 40007  
Product Name: J-B WELD WR PREMIUM EPOXY PUTTY- HARDENER (PART B)

## 1. COMPANY IDENTIFICATION

J-B Weld Co.  
P.O. Box 483  
1130 Como St.  
Sulphur Springs, Texas 75482  
Phone: (903) 885-7696  
Fax: (903) 885-5911

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component/Exposure Limits</u>	<u>CAS Number</u>	<u>% by Wt.</u>
<b>Teta, reaction prod. with phenol/formaldehyde</b> INGESTION LD(50): >2200 mg/kg (rat) SKIN IRRITATION: No data EYE IRRITATION: Severe eye irritation	32610-77-8	10% to 15%
<b>Phenol</b> SKIN IRRITATION: Moderate ORAL LD(50): 630 mg/kg (rabbit)	108-95-2	1% to 5%
<b>Triethylenetetramine</b> ORAL LD(50): 550 mg/kg (rabbit) EYE IRRITATION: Scvere eye irritation SKIN irritation: Moderate	112-24-3	1% to 3%
<b>Polyamide Resin</b> ORAL LD(50): >5 g/kg (rat) EYE IRRITATION: Moderate (rabbit) SKIN IRRITATION: Moderate (rabbit)	Trade secret	35% to 40%

## 3. HAZARDS IDENTIFICATION

### Potential Health Effects

**EYE:** May cause moderate eye irritation.

**SKIN:** Has caused skin irritation in humans. Prolonged and repeated contact may cause skin irritation with local redness. May cause sensitization by skin contact.

**INGESTION:** May be harmful if swallowed.

**INHALATION:** Vapors are unlikely due to physical properties.

**CHRONIC (CANCER) INFORMATION:** N/Av

**TERATOLOGY (BIRTH DEFECT) INFORMATION:** N/E

**REPRODUCTION INFORMATION:** N/E

N/A = Not Applicable, N/E = Not Evaluated, N/Av = Not Available

#### 4. FIRST AID MEASURES

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**EYES:** Flush eyes thoroughly with water for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**SKIN:** Wash skin with plenty of soap and water. If adverse health effects develop seek medical attention.

**INGESTION:** Have victim rinse mouth thoroughly with water. If vomiting occurs naturally, keep airway clear. Seek medical attention immediately. Never give anything by mouth if victim is rapidly losing consciousness or convulsing.

**INHALATION:** Move to fresh air. If adverse health effects develop, seek medical attention.

**NOTE TO PHYSICIANS:** Consider additional thorough skin wash with mild, non-abrasive soap and plenty of warm water for at least 15 minutes.

#### 5. FIRE FIGHTING MEASURES

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**FLAMMABLE PROPERTIES:**

**FLASH POINT:** >140°F (60°C) **Method:** N/A

**FLAMMABLE LIMITS:**

**Lower flammable limit:** N/E

**Upper flammable limit:** N/E

**AUTOIGNITION TEMPERATURE:** N/A

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, oxides of nitrogen and sulfur.

**EXTINGUISHING MEDIA:** FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER.

**FIREFIGHTING INSTRUCTIONS:** Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool. Firefighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

---

**SPILLS:** Dispose of in normal manner in accordance to all applicable state, provincial, federal and local laws. Not a hazardous waste.

#### 7. HANDLING AND STORAGE

---

**HANDLING:** No special precautions are needed.

**Personal hygiene -** Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Professionally launder contaminated clothing before re-use.

**Empty container precautions -** Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

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**STORAGE:**

**Temperature** – Less than 90°F (32°C).

**Conditions** – Store in cool, dry, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:**

**Local exhaust:** Use to keep exposures below recommendations. Use if material is heated above 100°F (38°C).

**RESPIRATORY PROTECTION:** None required in a well-ventilated area.

**SKIN PROTECTION:** Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for the specific operation.

**EYE PROTECTION:** Safety glasses or goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**BOILING POINT:** N/A

**MELTING POINT:** N/A

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A

**SOLUBILITY IN WATER:** Insoluble in water

**SPECIFIC GRAVITY:** 1.2

**pH:** N/Av

**VOLATILE ORGANIC COMPOUNDS:** <0.1%

**ODOR:** Mercaptan/sulfur

**APPEARANCE:** White paste

## 10. STABILITY AND REACTIVITY

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**CHEMICAL STABILITY (CONDITIONS TO AVOID):** This product is stable.

**INCOMPATIBILITY:** None.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, aldehydes, acids, oxides of sulfur and nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

---

**EYE:** N/E

**SKIN:** N/E

**INGESTION:** N/E

**INHALATION:** N/E

**SUBCHRONIC:** N/E

**CHRONIC/CARCINOGENICITY:** N/E

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**TERATOLOGY:** N/E

**REPRODUCTION:** N/E

**MUTAGENICITY:** N/E

## 12. ECOLOGICAL INFORMATION

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**ECOTOXICOLOGICAL INFORMATION:** N/E

**CHEMICAL FATE INFORMATION:** N/E

## 13. DISPOSAL CONSIDERATIONS

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Incinerate in furnace or bury in landfill in accordance with all applicable regulations. Not classified as a hazardous waste.

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## 16. OTHER INFORMATION

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### Hazard Ratings

NFPA Ratings: Health: 2 Fire: 1 Physical Data: 0 PPE: B

**MSDS Last Revised:** 8/10/2010

**Created by:** I. David Crossan

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