



SAFETY DATA SHEET

Issuing Date 19-Nov 2014

Revision Date 19-Nov-2014

Revision Number 1

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

Product identifier

Product SDS Name

Perm-O-Seal

J-B Weld FG SKU Part Numbers Covered

DS-114

J-B Weld Product Names Covered

Perm-O-Seal™

J-B Weld Product Type

Epoxy

Recommended use of the chemical and restrictions on use

Recommended Use Automotive Radiator Stop Leak

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

Supplier Phone Number 903-885-7696

2. HAZARDS IDENTIFICATION

Respiratory or skin sensitization	Warning - dust nuisance
Respirable dust air contaminant	Can cause irritation of eyes, respiratory tract
Skin sensitization	Mild irritant



3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name(s))

Copper CAS
7440-50-8 (DUST)

Product contains less than 6% copper. The remaining 94 % of the product ingredients (trade secret) are not considered hazardous under the Federal Hazard Communication Standard 29 CFR 1910.1200.

Copper is subject to the reporting requirements of SARA 40 CFR 372.

4. FIRST AID MEASURES

Health Hazards (*Acute and Chronic*) Can cause irritation of skin, eyes and respiratory tract as a nuisance dust.
No chronic effects are known.

Emergency and First Aid Procedures SKIN: Wash with soap and water. EYES: Flush with water for 15 minutes.
INHALATION: Move to fresh air and get medical attention.

5. FIRE-FIGHTING MEASURES

Hazardous Combustion Products	Copper not combustible (before mixed)	Mix not combustible
Extinguishing Media	Water, foam, carbon dioxide, dry chemical.	
Special Fire Fighting Procedures	None	
Unusual Fire and Explosion Hazards	None known.	

6. ACCIDENTAL RELEASE MEASURES

Steps to Be Taken in Case Material is Released or Spilled

Avoid creating dust. Clean up **with** brooms and shovels. Put in dry container for disposal.

7. HANDLING AND STORAGE

Precautions to Be taken in Handling and Storing

Avoid creating dust. Store in cool, dry area in dry, closed containers.

Other Precautions

Wear respiratory protection if there is a large amount of dust.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL 1 mg/m³ ACGIHTLV 1 mg/m³ Other Limits Recommended <6%

Respiratory Protection (*Specify Type*)

Normally not required. Use regular dust masks or NIOSH approved respirator.

Ventilation

Local Exhaust Normal

Special N/A

Mechanical (*General*)

Normally not necessary.

Other N/A

Protective Gloves

Not normally required.

Eye Protection

Safety goggles if eye contact is possible.

Other Protective Clothing or Equipment None

Work/Hygienic Practices Wash with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (Method Used)	N/A	<table><tr><td>Flammable Limits</td><td>LEL</td><td>N/A</td><td>UEL</td><td>N/A</td></tr></table>				Flammable Limits	LEL	N/A	UEL	N/A
Flammable Limits	LEL	N/A	UEL	N/A						
Boiling Point	N/A	Specific Gravity (H ₂ O = 1)		<1						
Vapor Pressure (mm Hg)	N/A	Melting Point		N/A						
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)		N/A						
Solubility in Water	Very slight									
Appearance and Odor	Reddish brown powder with very slight odor.									

10. STABILITY AND REACTIVITY

Stability	Unstable		Conditions to Avoid	None known.
	Stable	X		
Incompatibility (Materials to Avoid)	None known.			
Hazardous Decomposition or Byproducts	Copper oxide.			
Hazardous Polymerization	May Occur		Conditions to Avoid	None known.
	Will Not Occur			
	X			

11. TOXICOLOGICAL INFORMATION

Route(s) of Entry:	Inhalation? <input checked="" type="checkbox"/>	Skin? <input checked="" type="checkbox"/>	Ingestion? <input checked="" type="checkbox"/>
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
This product is not a known carcinogen as defined by NTP, IARC or OSHA.			
Signs and Symptoms of Exposure Coughing and irritation of skin, eyes or respiratory tract.			
Medical Conditions Generally Aggravated by Exposure Some pre-existing skin or respiratory conditions might be aggravated.			

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A
Persistence and degradability: N/A
Bioaccumulative potential: N/A
Mobility in soil: N/A
Other Adverse Effects: N/A
No information available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
Dispose of in accordance with all local, state and federal laws.

14. TRANSPORT INFORMATION

UN Number: Not regulated
UN proper shipping name: Not regulated
Transport hazard class: Not regulated
Packing group: N/A
Environmental hazards: N/A
Transport in bulk: N/A
Special precautions: N/A



15. REGULATORY INFORMATION

No information available for this product.

16. OTHER INFORMATION

Date of preparation or last modification: 06/09/2014