



SAFETY DATA SHEET

Issuing Date 08-June-2016

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Revision Number 1

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

Product identifier

Product SDS Name Epoxy Hardener – Repair Kit - Part B

J-B Weld FG SKU Part Numbers Covered

2110, 2120

J-B Weld Product Names Covered

J-B TankWeld Repair Kit™, J-B Radiator Repair Kit™

J-B Weld Product Type

Epoxy Hardener

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

Supplier Phone Number 903-885-7696



2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

Skin corrosion / irritation (chapter 3.2), Cat. 2
Eye damage / irritation (chapter 3.3), Cat. 2

GHS label elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard statement(s)

H315

Causes skin irritation

H319

Causes serious eye irritation

Precautionary statement(s)

P264

Wash ... thoroughly after handling.

P280

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

P302+P352

IF ON SKIN: Wash with plenty of water.

P321

Specific treatment (see ... on this label).

P332+P313

If skin irritation occurs: Get medical advice/attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

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.

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

Other hazards which do not result in classification None known

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Hazardous components

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

Concentration	>=10-<=30% (Weight)
Other names/synonyms	Phenol, 2,4,6-tris[(dimethylamino)methyl]-
EC no.	202-013-9
CAS no.	90-72-2
Index no.	603-069-00-0

4. FIRST AID MEASURES

Description of necessary first-aid measures

General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
In case of skin contact	Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
In case of eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
If swallowed	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.
Personal protective equipment for first aid responders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Most important symptoms/effects, acute and delayed

Causes serious eye irritation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Causes skin irritation. If ingested, irritating to mouth, throat, and stomach.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

No specific treatment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.
Do not use water as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

No specific fire or explosion hazard.



Special protective actions for fire-fighters

Specific hazards arising from the chemical: Not available

Protective equipment for firefighters: Firefighters should wear full protective clothing including self-contained breathing apparatus.

Hazardous combustion products: May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of sulphur.

Further information

Explosion data:

Sensitivity to mechanical impact: Not available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up:

Small Spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Use good industrial hygiene practices in handling this material.
Avoid contact with eyes, skin and clothing.
Avoid prolonged or repeated skin contact with this material.
Wash thoroughly after handling.



Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls

General ventilation normally adequate.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses if eye contact is possible.

Skin protection

Rubber gloves. Confirm with a reputable supplier first.

Body protection

As required by employer code.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance/form	Paste
Odor	Mercaptan-like odor
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Closed cup: >93.3°C (>199.9°F) [Pensky-Martens.]
Evaporation rate	Not available
Flammability (solid, gas)	Highly flammable in the presence of the following materials or conditions: heat
Upper/lower flammability limits	Not available
Upper/lower explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.13
Solubility(ies)	Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	>220C (>392F)



Viscosity	Dynamic (room temperature): 1000 to 1600 mPas (1000 to 1600 cP)
Explosive properties	Not available
Oxidizing properties	Not available

10. STABILITY AND REACTIVITY

Reactivity	None known.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	No specific data
Incompatible materials	Highly reactive or incompatible with the following materials: oxidizing materials, acids and alkalis
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects	
Acute toxicity	2,4,6-Tris(dimethylaminomethyl) phenol: LD50 Dermal Rat 1280 mg/kg - LD50 Oral Rat 1200 mg/kg Potential acute health effects: Eye Contact: Causes serious eye irritation Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Skin Contact: Causes skin irritation. Ingestion: Irritating to mouth, throat and stomach.
Skin corrosion/irritation	2,4,6-Tris(dimethylaminomethyl) phenol Skin - Mild irritant Rat - 0.025 mL - Skin - Severe irritant Rat - 0.25 mL - Skin - Severe irritant Rabbit - 24 hours 2 mg
Serious eye damage/irritation	Eyes - Severe irritant Rabbit - 24 hours 50 µg
Respiratory or skin sensitization	There is no data available.
Carcinogenicity	There is no data available.
Reproductive toxicity	There is no data available.
STOT-single exposure	No known significant effects or critical hazards.
STOT-repeated exposure	No known significant effects or critical hazards.
Aspiration hazard	There is no data available.
Additional information	Numerical measures of toxicity - Acute Toxicity estimates Oral ATE value = 10909.1 mg/kg Dermal ATE value = 11636.4 mg/kg



12. ECOLOGICAL INFORMATION

Toxicity	There is no data available.
Persistence and degradability	There is no data available
Bioaccumulative potential	Low
Mobility in soil	Not available
Other adverse effects	No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Disposal of the product

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

15. REGULATORY INFORMATION

Chemical Safety Assessment	<p>U.S. Federal regulations: TSCA 8(a) CDR Exempt/Partial Exemption: Not determined United States inventory (TSCA 8b): Not determined</p> <p>CLEAN AIR ACT SECTION 112: Not listed CLEAN AIR ACT SECTION 602 - CLASS I SUBSTANCES: Not listed CLEAR AIR ACT SECTION 602 - CLASS II SUBSTANCES: Not listed DEA LIST I CHEMICALS: Not listed DEA LIST II CHEMICALS: Not listed</p> <p>SARA 302/304: No products were found SARA 304 RQ: Not applicable SARA 311/312: Immediate (acute) health hazard Composition/Information on ingredients: 2,4,6-Tris(dimethylaminomethyl)phenol 5-15%, Immediate (acute) health hazard</p> <p>CALIFORNIA PROP. 65: No products were found</p>
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NFPA Rating	Health hazard: 2 Fire hazard: 1 Reactivity hazard: 0 Special hazard
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16. OTHER INFORMATION

Key to abbreviations:

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet

