

# Clear Epoxy Resin - Part A J-B Weld Company LLC

Version No: 3.3

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Issue Date: **02/12/2021**Print Date: **02/15/2021**S.GHS.USA.EN

### **SECTION 1 Identification**

### **Product Identifier**

Product name Clear Epoxy Resin - Part A	
Synonyms 50101 (MinuteWeld); 50112, 50114, 50114H, 50240, 50240H, 8212 (ClearWeld); 50132 (PlasticWeld)-PART A	
Other means of identification Not Available	

# Recommended use of the chemical and restrictions on use

Relevant identified uses Us	e according to manufacturer's directions.
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# Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	J-B Weld Company LLC	
Address	100 CMH Road Sulphur Springs TX 75482 United States	
Telephone	903-885-7696	
Fax	903-885-5911	
Website	WWW.JBWeld.com	
Email	info@JBWeld.com	

# Emergency phone number

Association / Organisation	InfoTrac	
Emergency telephone numbers	Transportation Emergencies: 800-535-5053 or (24 hours)	
Other emergency telephone numbers		

# SECTION 2 Hazard(s) identification

# Classification of the substance or mixture

Classification	Eye Irritation Category 2A, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation), Skin Corrosion/Irritation
Classification	Category 2, Skin Sensitizer Category 1B

# Label elements

Hazard pictogram(s)



Signal word	Warnin
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### Hazard statement(s)

Trazara statement(s)	
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

# Hazard(s) not otherwise classified

Not Applicable

# Supplementary statement(s)

Not Applicable

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### Precautionary statement(s) Prevention

P271	Use only outdoors or in a well-ventilated area.	
P280 Wear protective gloves/protective clothing/eye protection/face protection.		
P261	P261 Avoid breathing mist/vapours/spray.	
P272	Contaminated work clothing should not be allowed out of the workplace.	

### Precautionary statement(s) Response

P362	Take off contaminated clothing and wash before reuse.	
P302+P352	P352 IF ON SKIN: Wash with plenty of water and soap.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P312	Call a POISON CENTER or doctor/physician if you feel unwell.	
P333+P313	P333+P313 If skin irritation or rash occurs: Get medical advice/attention.	
P337+P313	P337+P313 If eye irritation persists: Get medical advice/attention.	
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	

# Precautionary statement(s) Storage

P405	Store locked up.	
P403+P233 Store in a well-ventilated place. Keep container tightly closed.		

### Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

# **SECTION 3 Composition / information on ingredients**

### Substances

See section below for composition of Mixtures

### Mixtures

CAS No	%[weight]	Name
25068-38-6*	80-99	bisphenol A diglycidyl ether polymer
3101-60-8*	1-10	4-tert-butylphenyl glycidyl ether

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

# **SECTION 4 First-aid measures**

# Description of first aid measures

bescription or mot ala measur	
Eye Contact	If this product comes in contact with the eyes:  Wash out immediately with fresh running water.  Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  Seek medical attention without delay; if pain persists or recurs seek medical attention.  Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs:  Immediately remove all contaminated clothing, including footwear.  Flush skin and hair with running water (and soap if available).  Seek medical attention in event of irritation.
Inhalation	<ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor, without delay.</li> </ul>
Ingestion	<ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>

# Most important symptoms and effects, both acute and delayed

See Section 11

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# **SECTION 5 Fire-fighting measures**

## **Extinguishing media**

▶ There is no restriction on the type of extinguisher which may be used.

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▶ Use extinguishing media suitable for surrounding area.

### Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

### Special protective equipment and precautions for fire-fighters

Fire Fighting

- ▶ Alert Fire Department and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves in the event of a fire.
- Fire/Explosion Hazard
- Non combustible.

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Not considered a significant fire risk, however containers may burn. May emit poisonous fumes. May emit corrosive fumes.

### **SECTION 6 Accidental release measures**

### Personal precautions, protective equipment and emergency procedures

See section 8

### **Environmental precautions**

See section 12

### Methods and material for containment and cleaning up

	¥ :
Minor Spills	Clean up all spills immediately. Avoid contact with skin and eyes.
Major Spills	Minor hazard. ► Clear area of personnel.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

# **SECTION 7 Handling and storage**

### Precautions for safe handling

Safe handling	Avoid all personal contact, including inhalation.     Wear protective clothing when risk of exposure occurs.
Other information	Store in original containers.     Keep containers securely sealed.

# Conditions for safe storage, including any incompatibilities

Suitable container	Polyethylene or polypropylene container.     Packing as recommended by manufacturer.
Storage incompatibility	None known

# **SECTION 8 Exposure controls / personal protection**

# Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

### **Emergency Limits**

g,				
Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
bisphenol A diglycidyl ether polymer	Epoxy resin includes EPON 1001, 1007, 820, ERL-2795	90 mg/m3	990 mg/m3	5,900 mg/m3

Ingredient	Original IDLH	Revised IDLH
bisphenol A diglycidyl ether polymer	Not Available	Not Available
4-tert-butylphenyl glycidyl ether	Not Available	Not Available

### Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit	
bisphenol A diglycidyl ether	Е	≤ 0.1 ppm	

Notes:

Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.

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# Clear Epoxy Resin - Part A

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
polymer		
4-tert-butylphenyl glycidyl ether	E	≤ 0.1 ppm
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.	

oosure controls	
Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
Personal protection	
Eye and face protection	Safety glasses with side shields. Chemical goggles.
Skin protection	See Hand protection below
Hands/feet protection	Wear chemical protective gloves, e.g. PVC.     Wear safety footwear or safety gumboots, e.g. Rubber     NOTE:     The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
Body protection	See Other protection below
Other protection	Overalls.    P.V.C apron.

# Respiratory protection

Particulate. (AS/NZS 1716 & 1715, EN 143:2000 & 149:001, ANSI Z88 or national equivalent)

# **SECTION 9 Physical and chemical properties**

# Information on basic physical and chemical properties Clear Liquid Appearance

Physical state	Free-flowing Paste	Relative density (Water = 1)	1.10-1.20
Odor	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available		
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Immiscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

# **SECTION 10 Stability and reactivity**

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7

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### Clear Epoxy Resin - Part A

Hazardous decomposition products

See section 5

# **SECTION 11 Toxicological information**

Information on toxicological eff
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Inhaled	The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.			
Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.			
Skin Contact	This material can cause inflammation of the skin on contact in some persons.  The material may accentuate any pre-existing dermatitis condition  Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions.  Open cuts, abraded or irritated skin should not be exposed to this material  Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.			
Eye	This material can cause eye irritation and damage in some persons.			
Chronic	Long-term exposure to respiratory irritants may result in airways disease, involving difficulty breathing and related whole-body problems.  Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population.  Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.			
	TOWNEY	IDDITATION		
Clear Epoxy Resin - Part A	TOXICITY  Not Available	Not Available		
	TOXICITY		IRRITATION	
bisphenol A diglycidyl ether	Dermal (rabbit) LD50: >23.80 mg/kg <sup>[2]</sup>		Not Available	

polymer

Not Available Dermal (rabbit) LD50: >23.80 mg/kg<sup>[2]</sup> Oral(Rat) LD50; >0.001 mg/kg<sup>[2]</sup>

4-tert-butylphenyl glycidyl ether

TOXICITY	IRRITATION
dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>	Not Available
Oral(Rat) LD50; >2000 mg/kg <sup>[1]</sup>	

Legend:

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.\* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

Clear Epoxy Resin - Part A

Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. The following information refers to contact allergens as a group and may not be specific to this product.

Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type.

Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	✓	Reproductivity	×
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	✓
Respiratory or Skin sensitisation	<b>✓</b>	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	×

Legend:

🗶 – Data either not available or does not fill the criteria for classification

— Data available to make classification

# **SECTION 12 Ecological information**

# **Toxicity**

- · · · · · · · · · · · · · · · · · · ·									
Clear Epoxy Resin - Part A	Endpoint		Test Duration (hr)	Spec	ies	Value		Source	
	Not Available		Not Available	Not A	vailable	Not Availab	le	Not Availa	able
bisphenol A diglycidyl ether polymer	Endpoint EC50						<b>So</b> u 2	rce	
4-tert-butylphenyl glycidyl	Endpoint	Test	Duration (hr)	Species			Value		Source
ether	LC50	96		Fish			ca.7.5mg/L		2

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### Clear Epoxy Resin - Part A

EC50	EC50 48	Crustacea	ca.67.9mg/L	2
EC50	EC50 72	Algae or other aquatic plants	ca.9mg/L	2

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Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

### DO NOT discharge into sewer or waterways.

# Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
4-tert-butylphenyl glycidyl ether	HIGH	HIGH

### Bioaccumulative potential

Ingredient	Bioaccumulation
4-tert-butylphenyl glycidyl ether	LOW (LogKOW = 3.5231)

# Mobility in soil

Ingredient	Mobility
4-tert-butylphenyl glycidyl ether	LOW (KOC = 293.2)

### **SECTION 13 Disposal considerations**

### Waste treatment methods

Product / Packaging disposal

- ▶ Containers may still present a chemical hazard/ danger when empty.
- ▶ Return to supplier for reuse/ recycling if possible.
- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.

# **SECTION 14 Transport information**

Note:

For inner packagings not over 5L as manufactured and supplied by J-B Weld, the following exceptions apply: DOT - 49CFR §173.155 (b); IMDG - §2.10.2.7; IATA - Special Provision A197

For non-exempt packagings, the proper shipping name is UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(LIQUID EPOXY RESIN, 4-TERT-BUTYLPHENYL GLYCIDYL ETHER), 9, PGIII

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

### Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
bisphenol A diglycidyl ether polymer	Not Available
4-tert-butylphenyl glycidyl ether	Not Available

# Transport in bulk in accordance with the ICG Code

Product name	Ship Type
bisphenol A diglycidyl ether polymer	Not Available
4-tert-butylphenyl glycidyl ether	Not Available

# **SECTION 15 Regulatory information**

# Safety, health and environmental regulations / legislation specific for the substance or mixture

# bisphenol A diglycidyl ether polymer is found on the following regulatory lists Chemical Footprint Project - Chemicals of High Concern List US

US - California Hazardous Air Pollutants Identified as Toxic Air Contaminants
US Clean Air Act - Hazardous Air Pollutants

US DOE Temporary Emergency Exposure Limits (TEELs)

US EPCRA Section 313 Chemical List
US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
US TSCA Chemical Substance Inventory - Interim List of Active Substances

# 4-tert-butylphenyl glycidyl ether is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

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# **Federal Regulations**

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

# Section 311/312 hazard categories

Oction of Note natural datagones	
Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
n contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	Yes
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

# US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

None Reported

# State Regulations

# US. California Proposition 65

None Reported

# **National Inventory Status**

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (bisphenol A diglycidyl ether polymer; 4-tert-butylphenyl glycidyl ether)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	No (bisphenol A diglycidyl ether polymer; 4-tert-butylphenyl glycidyl ether)
Vietnam - NCI	Yes
Russia - ARIPS	No (4-tert-butylphenyl glycidyl ether)
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

# **SECTION 16 Other information**

Revision Date	02/12/2021
Initial Date	11/17/2020

# **SDS Version Summary**

Version	Issue Date	Sections Updated
2.3.1.1.1	02/11/2021	Ingredients, Synonyms

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### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.