



# SAFETY DATA SHEET

Issuing Date 27-Oct 2014

Revision Date 21-Oct-2014

Revision Number 2

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

### Product identifier

Product SDS Name Threadlocker - Medium Strength - Blue

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

24206, 24213, 24236, 24250

### J-B Weld Product Names Covered

Perma-Lock™ Medium Strength Threadlocker

### J-B Weld Product Type

Anaerobic

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

Recommended Use Bolt & Nut Sealant/Automotive Sealant

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 2A
Skin Sensitization	Category 1

**GHS Label elements, including precautionary statements**

**Emergency Overview**

<b>Signal word</b>	<b>Warning</b>	
<b>Hazard Statements</b>		
Causes skin irritation Causes serious eye damage May cause respiratory irritation.		
		
<b>Appearance</b> Blue	<b>Physical State</b> Liquid	<b>Odor</b> Slight

**Precautionary Statements - Prevention**

Wear protective gloves  
Use personal protective equipment as required  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
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. Get medical attention.

**Skin**

IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**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**

72.1% of the mixture consists of ingredient(s) of unknown toxicity

## Other information

May be harmful if swallowed  
Harmful to aquatic life with long lasting effects

**Interactions with Other Chemicals** No information available.

# 3. COMPOSITION / INFORMATION ON INGREDIENTS

## 3.1. Substances

Full text of H-phrases: see section 16

## 3.2. Mixture

**Hazardous ingredients:**

Name	Product identifier	%	GHS-US classification
Poly(ethylene glycol) Dimethacrylate	(CAS No) 25852-47-5	60 - 70	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

09/22/2014

EN (English)

Page 1

Name	Product identifier	%	GHS-US classification
cumene hydroperoxide	(CAS No) 80-15-9	1 - 3	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Dermal), H310
saccharin	(CAS No) 81-07-2	1 - 2	Skin Corr. 1A, H314

# 4. FIRST AID MEASURES

## Description of first aid measures

First-aid measures after inhalation	: Remove the victim into fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses. Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Immediately after ingestion: give lots of water to drink. Get immediate medical attention.

# 5. FIRE-FIGHTING MEASURES

## 5.1. Extinguishing media

Suitable extinguishing media	: Alcohol-resistant foam. Dry powder. Carbon dioxide.
Unsuitable extinguishing media	: Do not use direct water jet to extinguish.

## 5.2. Special hazards arising from the substance or mixture

Reactivity	: No dangerous reactions known under normal conditions of use.
------------	--

### 5.3. Advice for firefighters

- Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ensure adequate ventilation. Evacuate area.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE).
- Emergency procedures : Keep suitable chemically resistant protective clothing readily available for emergency use.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Evacuate unnecessary personnel. Stop release. Ventilate area. Use appropriate personal protection equipment (PPE).

### 6.2. Environmental precautions

- Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- For containment : Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor. Collect spillage. Dispose of contents/container to local, regional, national, and international regulations.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required.
- Hygiene measures : Do not eat, drink or smoke in areas where product is used. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container tightly closed. Keep container closed when not in use. Store in a cool, dry place, out of direct sunlight. Can be stored in LDPE containers. Do not allow to contact or store in aluminum, mild steel, rusty steel, copper (or alloys of) or tin vessels.
- Incompatible products : Oxidizing agents. Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Appropriate engineering controls : Ensure all national/local regulations are observed. Provide adequate general and local exhaust ventilation.
- Personal protective equipment : Protective clothing. Protective goggles. Gloves. Self-contained breathing apparatus.



- Materials for protective clothing : Wear fire/flame resistant/retardant clothing.
- Hand protection : Wear chemically resistant protective gloves.

Eye protection : Chemical goggles or safety glasses.  
 Skin and body protection : Protective clothing.  
 Respiratory protection : Avoid breathing dust, mist or spray. Wear respiratory protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state : Liquid  
 Appearance :  
 Colour : Opaque Blue Liquid.  
 Odour : Blue.  
 Relative evaporation rate (ether=1) : Characteristic odour.  
 Boiling point : Low  
 Flash point : > 290 °F  
 Flammability (solid, gas) : > 212 °F  
 Vapour pressure : Non flammable  
 Relative vapour density at 20 °C : <5 mmHg  
 Solubility : 1.01  
 Explosive properties : Insoluble in water. Soluble in acetone.  
 Oxidising properties : Not applicable.  
 : None.

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

Direct sunlight. High temperature. Sources of ignition, low oxygen environments. Hazardous exothermic polymerization can occur if exposed to elevated temperatures for period of time. Air space/ oxygen above the product is vital to keep formulatory inhibitors active

### 10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Irritating fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### cumene hydroperoxide (80-15-9)

LD50 oral rat	382 mg/kg (Rat)
---------------	-----------------

cumene hydroperoxide (80-15-9)	
LD50 dermal rat	1200-1520,Rat
LD50 dermal rabbit	133 mg/kg bodyweight (Rabbit)
LC50 inhalation rat (mg/l)	1.37 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	220 ppm/4h (Rat)

saccharin (81-07-2)	
IARC group	3 - Not classifiable

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

cumene hydroperoxide (80-15-9)	
LC50 fishes 1	14 mg/l (48 h; Leuciscus idus; GLP)
EC50 Daphnia 1	7 mg/l (24 h; Daphnia magna; Static system)
LC50 fish 2	3.9 mg/l (96 h; Oncorhynchus mykiss)
EC50 Daphnia 2	18.84 mg/l (48 h; Daphnia magna; GLP)
Threshold limit algae 1	1.2 mg/l (Microcystis aeruginosa)
Threshold limit algae 2	7.4 mg/l (Scenedesmus quadricauda)

### 12.2. Persistence and degradability

Threadlocker - Medium Strength - Blue	
Persistence and degradability	No data available.

saccharin (81-07-2)	
Persistence and degradability	Biodegradability in water: no data available.

cumene hydroperoxide (80-15-9)	
Persistence and degradability	Not readily biodegradable in water. Highly mobile in soil.

### 12.3. Bioaccumulative potential

Threadlocker - Medium Strength - Blue	
Bioaccumulative potential	No bioaccumulation data available.

saccharin (81-07-2)	
Log Pow	0.91
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

cumene hydroperoxide (80-15-9)	
--------------------------------	--

BCF other aquatic organisms 1	9
Log Pow	1.6 (Experimental value; 25 °C, Experimental value; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

#### 12.4. Mobility in soil

<b>cumene hydroperoxide (80-15-9)</b>	
Surface tension	0.028 N/m (-9 °C)

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

- Waste treatment methods : Remove waste in accordance with local and/or national regulations.
- Waste disposal recommendations : Product residues can be cleaned out of containers. Dispose in a safe manner in accordance with local/national regulations.  
 Hardened product can be disposed of as chemical waste by incineration or licensed contractors.  
 Clean containers can be disposed of by landfill or by incineration or possibly recycled.

## 14. TRANSPORT INFORMATION

- In accordance with DOT : Not Regulated
- Proper Shipping Name : N/A
- Transport document description : N/A
- Hazard Class : N/A
- Packing Group : N/A
- UN-No.(DOT) : None
- DOT NA no. : N/A
- Marine Pollutant : N/A

### Additional information

- Other information : No supplementary information available.

- ADR** : N/A

Transport document description

### Transport by sea

No additional information available

### Air transport

No additional information available

## 15. REGULATORY INFORMATION

### 15.1. US Federal regulations



<b>Threadlocker - Medium Strength - Blue</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

<b>Poly(ethylene glycol) Dimethacrylate (25852-47-5)</b>
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

<b>saccharin (81-07-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	100 lb

<b>cumene hydroperoxide (80-15-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	10 lb

**15.2. International regulations**

**CANADA**

WHMIS Hazard Class: D2B

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin Irrit. 2 H315  
 Eye Irrit. 2A H319  
 STOT SE 3 H335

**15.2.2. National regulations**

No additional information available

**15.3. US State regulations**

<b>saccharin (81-07-2)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

<b>cumene hydroperoxide (80-15-9)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List





## SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

### HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 1 Slight Hazard  
Physical : 1 Slight Hazard

SDS US (GHS HazCom 2012)

*This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.*

*Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Nothing herein shall be considered as recommending practices or products in violation of any patent, law or regulation. It is the user's responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. WE MAKE NO WARRANTIES REGARDING THE PRODUCTS AND DISCLAIM ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.*