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

For UK Branch: J-B Weld UK,
Unit 30, Bidavon Industrial Estate,
Bidford Upon Avon, Warwickshire,
United Kingdom, B50 4JN

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

UK: info@jb-weld.co.uk
(UK) 01789 330 668

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

Signal word **Warning**

Hazard Statements

Causes skin irritation
Causes serious eye damage
May cause respiratory irritation.

Appearance Blue **Physical State** Liquid **Odor** 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

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	: Opaque Blue Liquid.
Colour	: Blue.
Odour	: Characteristic odour.
Relative evaporation rate (ether=1)	: Low
Boiling point	: > 290 °F
Flash point	: > 212 °F
Flammability (solid, gas)	: Non flammable
Vapour pressure	: <5 mmHg
Relative vapour density at 20 °C	: 1.01
Solubility	: Insoluble in water. Soluble in acetone.
Explosive properties	: Not applicable.
Oxidising properties	: 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

cumene hydroperoxide (80-15-9)	
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

Threadlocker - Medium Strength - Blue	
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

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

saccharin (81-07-2)	
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

cumene hydroperoxide (80-15-9)	
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

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

cumene hydroperoxide (80-15-9)
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.

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