

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.04.2019

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## High Strength Threadlocker

### SECTION 1: Identification

#### Product identifier

**Product name:** High Strength Threadlocker

**Product code:** 27106, 27113, 27136



#### Recommended use of the product and restriction on use

**Relevant identified uses:** Anaerobic Sealant

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Manufacturer:

##### United States

J-B Weld Company, LLC

400 CMH Road

Sulphur Springs, TX 75482

903-885-7696

info@jbweld.com

#### Emergency telephone number:

##### United States

InfoTrac

Transportation Emergencies (24 hour): 800-535-5053

Poison Control Centers (24 hour): medical emergencies 800-222-1222

### SECTION 2: Hazard(s) identification

#### GHS classification:

Eye irritation, category 2A

Specific target organ toxicity - single exposure, category 3, respiratory irritation

#### Label elements

##### Hazard pictograms:



**Signal word:** Warning

#### Hazard statements:

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

#### Precautionary statements:

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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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.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P405 Store locked up.  
P403+P233 Store in a well ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local regulations.

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 81-07-2	Saccharin	1-5
CAS number: 25852-47-5	Methacrylate monomer	>60
CAS number: 80-15-9	Cumene hydroperoxide	1-5
CAS number: 98-82-8	Cumene	0.1-1

### Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

## SECTION 4: First aid measures

### Description of first aid measures

#### General notes:

Not determined or not applicable.

#### After inhalation:

Remove victim to fresh air and place in a position comfortable for breathing. If respiratory symptoms develop and persist or if feeling unwell: seek medical advice/attention. If breathing is difficult, administer oxygen. If breathing has stopped, trained personnel should begin rescue breathing and get emergency medical aid

#### After skin contact:

Take off all contaminated clothing. Rinse affected area with soap and water. Gently blot or brush away excess product. If skin irritation develops or persists, seek medical advice/attention

#### After eye contact:

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open

Remove contact lenses, if present and easy to do so

Continue rinsing. Seek medical attention

#### After swallowing:

Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting spontaneously occurs, place victim on side in the recovery position to prevent aspiration into the lungs. Never give anything by mouth to an unconscious person. If experiencing symptoms or concerned: Contact a POISON CENTER or doctor/physician

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### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

Causes eye and respiratory irritation. Symptoms include redness, itching, tearing, cough, and difficulty breathing

#### Delayed symptoms and effects:

Not determined or not applicable.

### Immediate medical attention and special treatment

#### Specific treatment:

Not determined or not applicable.

#### Notes for the doctor:

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Water spray (fog), foam, dry chemical or carbon dioxide

#### Unsuitable extinguishing media:

Not determined or not applicable.

### Specific hazards during fire-fighting:

Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers

Hazardous combustion products include oxides of carbon, oxides of sulfur, oxides of nitrogen and other irritating organic vapors

### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

### Special precautions:

Not determined or not applicable.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

Wear recommended personal protective equipment (See Section 8)

### Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)

Dispose of contents / container in accordance with local regulations

### Reference to other sections:

Not determined or not applicable.

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### SECTION 7: Handling and storage

#### Precautions for safe handling:

- Use only with adequate ventilation.
- Avoid breathing mist or vapor.
- Do not eat, drink, smoke or use personal products when handling chemical substances.
- Wear recommended personal protective equipment (see Section 8).

#### Conditions for safe storage, including any incompatibilities:

- For safe storage, store at or below 38 °C (100.4 °F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Cumene	98-82-8	NIOSH REL TWA 50 ppm, 245.0 mg/m <sup>3</sup>
United States (OSHA)	Cumene	98-82-8	OSHA PEL TWA 50 ppm, 245.0 mg/m <sup>3</sup>
WEEL	Cumene hydroperoxide	80-15-9	8-Hour TWA: 6 mg/m <sup>3</sup> (1 ppm)
ACGIH	Cumene	98-82-8	ACGIH TLV TWA 50 ppm

#### Biological limit values:

No biological exposure limits noted for the ingredient(s).

#### Information on monitoring procedures:

- Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
- Biological monitoring may also be appropriate for some substances.

#### Appropriate engineering controls:

- Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

#### Personal protection equipment

##### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

##### Skin and body protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Butyl rubber gloves. Natural rubber gloves. Neoprene gloves.

##### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### General hygienic measures:

- Avoid contact with skin, eyes and clothing.
- Wash hands before breaks and at the end of work.
- Wash contaminated clothing before reuse.

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### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Red liquid
<b>Odor</b>	Mild
<b>Odor threshold</b>	Not determined or not available.
<b>pH</b>	Not determined or not available.
<b>Melting point/freezing point</b>	Not determined or not available.
<b>Initial boiling point/range</b>	> 148.9 °C (> 300°F)
<b>Flash point (closed cup)</b>	> 93.3 °C (> 199.94 °F) Tagliabue closed cup
<b>Evaporation rate</b>	Not determined or not available.
<b>Flammability (solid, gas)</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Vapor pressure</b>	< 5 mmHg (26.7 °C (80.1 °F))
<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	Not determined or not available.
<b>Relative density</b>	1.1
<b>Solubilities</b>	Slight solubility in water.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

#### Other information

<b>VOC</b>	0.82 %; 7.81 g/l
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### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Stable under normal conditions of use and storage.

#### Possibility of hazardous reactions:

None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.

#### Conditions to avoid:

Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

#### Incompatible materials:

Strong oxidizing agents. Strong acids. Copper. Iron. Strong reducing agents. Rust.

#### Hazardous decomposition products:

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Phenolics. Oxides of sulfur. Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.

### SECTION 11: Toxicological information

#### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Route	Result
Cumene hydroperoxide	inhalation	LC50 - Mouse: 200 ppm (4 hours)
	oral	LD50 - Rat: 382 mg/kg
	dermal	LD50 - Rat: 500 mg/kg

#### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
Cumene hydroperoxide	Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

**Assessment:**

Causes serious eye irritation

**Product data:**

No data available.

**Substance data:** No data available.

#### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):**

Name	Classification
Cumene	Group 2B - Possibly carcinogenic to humans

**National Toxicology Program (NTP):** None of the ingredients are listed.

#### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Reproductive toxicity

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**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:**

May cause respiratory irritation

**Product data:**

No data available.

**Substance data:**

Name	Result
Cumene	Component affects the respiratory system.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
Cumene hydroperoxide	May cause damage to organs through prolonged or repeated exposure.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
Cumene	May be fatal if swallowed and enters airways.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

**Other information:**

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Cumene	EC50 - Daphnia magna - 1.4 mg/L - 24 h
	LC50 - Pimephales promelas - 6.32 mg/L - 96 h

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

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**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

## SECTION 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>UN transport hazard class(es)</b>	None
<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### International Maritime Dangerous Goods (IMDG)

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>UN transport hazard class(es)</b>	None
<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>UN transport hazard class(es)</b>	None
<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None



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### SECTION 15: Regulatory information

#### United States regulations

##### Inventory listing (TSCA):

25852-47-5	Methacrylate monomer	Listed
81-07-2	Saccharin	Listed
80-15-9	Cumene hydroperoxide	Listed
98-82-8	Cumene	Listed

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 extremely hazardous substances:** None of the ingredients are listed.

##### SARA Section 313 toxic chemicals:

25852-47-5	Methacrylate monomer	Not Listed
81-07-2	Saccharin	Listed
80-15-9	Cumene hydroperoxide	Listed
98-82-8	Cumene	Listed

##### CERCLA:

81-07-2	Saccharin	Listed	100
80-15-9	Cumene hydroperoxide	Listed	10
98-82-8	Cumene	Listed	5000

##### RCRA:

81-07-2	Saccharin	Listed	U202
80-15-9	Cumene hydroperoxide	Listed	U096
98-82-8	Cumene	Listed	U055

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

##### Massachusetts Right to Know:

25852-47-5	Methacrylate monomer	Not Listed
81-07-2	Saccharin	Listed
80-15-9	Cumene hydroperoxide	Listed
98-82-8	Cumene	Listed

##### New Jersey Right to Know:

25852-47-5	Methacrylate monomer	Not Listed
81-07-2	Saccharin	Listed
80-15-9	Cumene hydroperoxide	Listed
98-82-8	Cumene	Listed

##### New York Right to Know:

25852-47-5	Methacrylate monomer	Not Listed
81-07-2	Saccharin	Listed
80-15-9	Cumene hydroperoxide	Listed
98-82-8	Cumene	Listed

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### Pennsylvania Right to Know:

25852-47-5	Methacrylate monomer	Not Listed
81-07-2	Saccharin	Listed
80-15-9	Cumene hydroperoxide	Listed
98-82-8	Cumene	Listed

### California Proposition 65:

**⚠️WARNING:** This product can expose you to Cumene; which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 2-0-0

**HMIS:** 2-0-0

**Initial preparation date:** 04.04.2019

**End of Safety Data Sheet**