

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.26.2018

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Revision date: 02.03.2020

Threadlocker - Medium Strength - Blue

SECTION 1: Identification

Product identifier

Product name: Threadlocker - Medium Strength - Blue

Product code: 24206, 24213, 24236, 24250



Recommended use of the product and restriction on use

Relevant identified uses: Not determined or not applicable.

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): 1-800-535-5053

SECTION 2: Hazard(s) identification

GHS classification:

Skin irritation, category 2

Specific target organ toxicity - repeated exposure, category 2

Skin sensitization, category 1

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H317 May cause an allergic skin reaction.

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash skin and eyes thoroughly after handling.

P272 Contaminated work clothing must not be allowed out of the workplace.

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

P321 Specific treatment (see supplemental first aid instructions on this label).

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P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P362 Take off contaminated clothing and wash before reuse
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P363 Wash contaminated clothing before reuse
P307+P311 If exposed: Call a POISON CENTER or doctor/physician.
P314 Get medical advice/attention if you feel unwell
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	Additive 1	<5
CAS number: 13463-67-7	Powder 1	0.1-1
CAS number: 57-55-6	Liquid Additive 1	<5
CAS number: 25852-47-5	Resin 1	<80
CAS number: 9004-96-0	Liquid Additive 2	<30
CAS number: 80-15-9	Additive 2	<5
CAS number: 98-82-8	Additive 3	0.1-1
CAS number: 80-62-6	Resin 2	0.1-1
CAS number: 609-72-3	Additive 4	0.1-1
CAS number: 613-48-9	Additive 5	0.1-1
CAS number: 67-56-1	Liquid Additive 3	0.1-1
CAS number: 112945-52-5	Powder 2	<5

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

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Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

After skin contact:

Wash with plenty of lukewarm, gently flowing water

Take off all contaminated clothing

Gently blot or brush away excess product

If symptoms develop or persist, seek medical attention

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

May cause an allergic skin reaction, characterized by rash, itching, inflammation and redness. Causes skin irritation. Symptoms include reddening and itching; subsequent inflammation is possible

Delayed symptoms and effects:

Causes damage to organs through prolonged or repeated exposure

Effects are dependent on exposure (dose, concentration, contact time)

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Treat symptomatically

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and 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.

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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

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.

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.

Conditions for safe storage, including any incompatibilities:

- Keep container tightly sealed.
- Protect from freezing and physical damage.
- Store in a cool, well-ventilated area.

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
United States (OSHA)	Powder 1	13463-67-7	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Powder 2	112945-52-5	OSHA PEL TWA 20.0 Million particles per cubic foot
	Liquid Additive 3	67-56-1	OSHA PEL TWA 200 ppm
	Additive 3	98-82-8	OSHA PEL TWA 50 ppm, 245.0 mg/m ³
	Resin 2	80-62-6	8 hr Time Weighted Avg (TWA): 410 mg/m ³
	Liquid Additive 3	67-56-1	OSHA PEL TWA 260 mg/m ³
	Powder 2	112945-52-5	OSHA PEL TWA 0.8 mg/m ³ 80/(%SiO ₂)
WEEL	Liquid Additive 1	57-55-6	WEEL TWA 10.0 mg/m ³
	Additive 2	80-15-9	8-Hour TWA: 6 mg/m ³ (1 ppm)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Additive 3	98-82-8	NIOSH REL TWA 50 ppm, 245.0 mg/m ³
	Powder 2	112945-52-5	NIOSH REL TWA 6.0 mg/m ³
	Resin 2	80-62-6	8 hr Time Weighted Avg (TWA): 410 mg/m ³
	Liquid Additive 3	67-56-1	NIOSH REL TWA 200 ppm [skin]
	Liquid Additive 3	67-56-1	NIOSH REL TWA 260 mg/m ³ [skin]
	Liquid Additive 3	67-56-1	NIOSH REL ST 250 ppm [skin]
	Liquid Additive 3	67-56-1	NIOSH REL ST 325 mg/m ³ [skin]
	Powder 1	13463-67-7	IDLH: 5,000 mg/m ³
ACGIH	Powder 1	13463-67-7	ACGIH TLV TWA 10 mg/m ³
	Liquid Additive 3	67-56-1	ACGIH TLV STEL 250 ppm [skin]
	Additive 3	98-82-8	ACGIH TLV TWA 50 ppm
	Liquid Additive 3	67-56-1	ACGIH TLV TWA 200 ppm [skin]

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:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

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.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

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Appearance	Blue Liquid
Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	100°C (212°F)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	1.1 g/cm ³
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

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 conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Acute toxicity

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

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Product data: No data available.

Substance data:

Name	Route	Result
Additive 2	inhalation	LC50 - Mouse: 200 ppm (4 hours)
	oral	LD50 - Rat: 382 mg/kg
	dermal	LD50 - Rat: 500 mg/kg
Liquid Additive 3	oral	LD50 - Rat - 5630 mg/kg
	dermal	LD50 - Rabbit - 15800 mg/kg
	inhalation	LC50 - Rat - 83.9 mg/l - 4h

Skin corrosion/irritation

Assessment:

Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive 2	Rabbit: Mild skin irritation 24h
Additive 2	Causes severe skin burns and eye damage.
Resin 2	Causes skin irritation.
Additive 5	Causes skin irritation
Powder 2	Irritating to the skin.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive 2	Rabbit: Mild eye irritation - 24hr
Additive 5	Causes serious eye irritation
Powder 2	Irritating effect on the eyes.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction

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:

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Name	Species	Result
Powder 1	Not applicable.	Airborne, unbound particles of respirable size are known to cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Additive 3	Group 2B - Possibly carcinogenic to humans
Powder 1	Group 2B
Powder 2	Group 3 - Not classifiable as to its carcinogenicity 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

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

Product data:

No data available.

Substance data:

Name	Result
Additive 3	Component affects the respiratory system.
Resin 2	May cause respiratory irritation
Liquid Additive 3	Causes damage to the optic nerve and central nervous system.
Powder 2	Component affects the respiratory system.

Specific target organ toxicity (repeated exposure)

Assessment:

May cause damage to organs through prolonged or repeated exposure

Product data:

No data available.

Substance data:

Name	Result
Additive 2	May cause damage to organs through prolonged or repeated exposure.
Additive 4	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.

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Substance data:

Name	Result
Additive 3	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
Additive 3	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.

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)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None

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Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

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

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

25852-47-5	Resin 1	Listed
9004-96-0	Liquid Additive 2	Listed
81-07-2	Additive 1	Listed
80-15-9	Additive 2	Listed
98-82-8	Additive 3	Listed
57-55-6	Liquid Additive 1	Listed
80-62-6	Resin 2	Listed
609-72-3	Additive 4	Listed
613-48-9	Additive 5	Listed
67-56-1	Liquid Additive 3	Listed
13463-67-7	Powder 1	Listed
112945-52-5	Powder 2	Listed

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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	Resin 1	Not Listed
9004-96-0	Liquid Additive 2	Not Listed
67-56-1	Liquid Additive 3	Listed
81-07-2	Additive 1	Listed
80-15-9	Additive 2	Listed
98-82-8	Additive 3	Listed
57-55-6	Liquid Additive 1	Not Listed
80-62-6	Resin 2	Listed
609-72-3	Additive 4	Not Listed
613-48-9	Additive 5	Not Listed
13463-67-7	Powder 1	Not Listed
112945-52-5	Powder 2	Not Listed

CERCLA:

67-56-1	Liquid Additive 3	Listed	5000
81-07-2	Additive 1	Listed	100
80-15-9	Additive 2	Listed	10
98-82-8	Additive 3	Listed	5000
80-62-6	Resin 2	Listed	1000 lbs

RCRA:

81-07-2	Additive 1	Listed	U202
80-15-9	Additive 2	Listed	U096
98-82-8	Additive 3	Listed	U055
80-62-6	Resin 2	Listed	U162
67-56-1	Liquid Additive 3	Listed	U154

Section 112(r) of the Clean Air Act (CAA):

67-56-1	Liquid Additive 3	Listed
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Massachusetts Right to Know:

25852-47-5	Resin 1	Not Listed
9004-96-0	Liquid Additive 2	Not Listed
81-07-2	Additive 1	Listed
80-15-9	Additive 2	Listed

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98-82-8	Additive 3	Listed
57-55-6	Liquid Additive 1	Not Listed
80-62-6	Resin 2	Listed
609-72-3	Additive 4	Not Listed
613-48-9	Additive 5	Not Listed
67-56-1	Liquid Additive 3	Listed
13463-67-7	Powder 1	Listed
112945-52-5	Powder 2	Listed

New Jersey Right to Know:

25852-47-5	Resin 1	Not Listed
67-56-1	Liquid Additive 3	Listed
9004-96-0	Liquid Additive 2	Not Listed
81-07-2	Additive 1	Listed
80-15-9	Additive 2	Listed
98-82-8	Additive 3	Listed
57-55-6	Liquid Additive 1	Listed
80-62-6	Resin 2	Listed
609-72-3	Additive 4	Not Listed
613-48-9	Additive 5	Not Listed
13463-67-7	Powder 1	Listed
112945-52-5	Powder 2	Not Listed

New York Right to Know:

25852-47-5	Resin 1	Not Listed
9004-96-0	Liquid Additive 2	Not Listed
81-07-2	Additive 1	Listed
80-15-9	Additive 2	Listed
98-82-8	Additive 3	Listed
57-55-6	Liquid Additive 1	Not Listed
80-62-6	Resin 2	Listed
609-72-3	Additive 4	Not Listed
613-48-9	Additive 5	Not Listed

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67-56-1	Liquid Additive 3	Listed
13463-67-7	Powder 1	Listed
112945-52-5	Powder 2	Not Listed

Pennsylvania Right to Know:

25852-47-5	Resin 1	Not Listed
67-56-1	Liquid Additive 3	Listed
9004-96-0	Liquid Additive 2	Not Listed
112945-52-5	Powder 2	Listed
81-07-2	Additive 1	Listed
80-15-9	Additive 2	Listed
98-82-8	Additive 3	Listed
57-55-6	Liquid Additive 1	Listed
80-62-6	Resin 2	Listed
609-72-3	Additive 4	Not Listed
613-48-9	Additive 5	Not Listed
13463-67-7	Powder 1	Listed

California Proposition 65:

⚠️WARNING: This product can expose you to chemicals including Cumene and Titanium Dioxide; which are known to the State of California to cause cancer; and Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to 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

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End of Safety Data Sheet