

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 07.12.2019

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Threadlocker - Medium Strength - Blue

SECTION 1: Identification

Product identifier

Product name: Threadlocker - Medium Strength - Blue

Product code: 24206CAN, 24213CAN, 24236CAN



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:

North America

J-B Weld Company, LLC
400 CMH Road
Sulphur Springs, TX 75482
903-885-7696
info@jbweld.com

Emergency telephone number:

North America

InfoTrac
352-323-3500

SECTION 2: Hazard 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 should not be allowed out of the workplace.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
P321 Specific treatment (see supplemental first aid instructions on this label).
P302+P352 IF ON SKIN: Wash with plenty of water/soap.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P307+P311 IF exposed or concerned: Call a POISON CENTER/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: 13463-67-7	Titanium Dioxide	0.1-1
CAS number: 57-55-6	Propane-1,2-diol	<3
CAS number: 80-15-9	α,α -dimethylbenzyl hydroperoxide; cumene hydroperoxide	1-3
CAS number: 98-82-8	Cumene	0.1-1
CAS number: 80-62-6	Methyl Methacrylate	0.1-1
CAS number: 609-72-3	N,N-dimethyl-o-toluidine	0.1-1
CAS number: 613-48-9	N,N-diethyl-p-toluidine	0.1-1
CAS number: 67-56-1	Methanol	0.1-1
CAS number: 112945-52-5	Silica, amorphous, fumed, cryst.-free	<5

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the Canadian Hazardous Products Regulation and WHMIS 2015.

SECTION 4: First-aid measures

Description of first-aid measures

General notes:

Not determined or not available.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway

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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 ingestion:

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 available.

Notes for the doctor:

Treat symptomatically

SECTION 5: Fire-fighting 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.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation
Ensure air handling systems are operational

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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
Canada	Methyl Methacrylate	80-62-6	8 hr Time Weighted Avg (TWA) 205 mg/m ³
	Propane-1,2-diol	57-55-6	Ontario OELs - 8-Hour TWA Exposure Value: 50 ppm (155 mg/m ³) [Vapor and aerosol]
	Propane-1,2-diol	57-55-6	Ontario OELs - 8-Hour TWA Exposure Value: 10 mg/m ³ (Aerosol only)
	Titanium Dioxide	13463-67-7	Alberta OEL: TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	British Columbia OEL: TWA 10 mg/m ³ (Total dust) 8-hr
	Titanium Dioxide	13463-67-7	British Columbia OEL: TWA 3.0 mg/m ³ (Respirable fraction) 8-hr
	Titanium Dioxide	13463-67-7	Manitoba OEL: TLV-TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	Ontario OEL: TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	Quebec OEL: TWA 10 mg/m ³ 8-hr

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Titanium Dioxide	13463-67-7	Saskatchewan OEL: TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	Saskatchewan OEL: TWA 20 mg/m ³ 15-min
	Methanol	67-56-1	Alberta OELs - 15-minute STEL: 250 ppm (328 mg/m ³)
	Methanol	67-56-1	British Columbia OELs - 8-hour TWA Exposure Value: 200 ppm
	Methanol	67-56-1	Alberta OELs - 8-Hour TWA Exposure Limit: 200 ppm (262 mg/m ³)
	Methanol	67-56-1	British Columbia OELs - 15-minute STEL: 250 ppm
	Methanol	67-56-1	Manitoba OELs - 8-hour Exposure Limit (TLV-TWA): 200 ppm
	Methanol	67-56-1	Manitoba OELs - 15-minute STEL: 250 ppm
	Methanol	67-56-1	Ontario OELs - 8-Hour TWA Exposure Value (TWA): 200 ppm
	Methanol	67-56-1	Ontario OELs - 15-minute STEL (STEL): 250 ppm
	Methanol	67-56-1	Quebec OELs - 8-hour TWA Exposure Value: 200 ppm (262 mg/m ³)
	Methanol	67-56-1	Quebec OELs - 15-minute STEL: 250 ppm (328 mg/m ³)
	Cumene	98-82-8	Alberta OELs - 8-Hour TWA Exposure Limit: 50 ppm / 246 mg/m ³
	Methanol	67-56-1	Saskatchewan OELs - 8 Hour Average Contamination Limit: 200 ppm
	Cumene	98-82-8	British Columbia OELs - 8-Hour TWA Exposure Value: 25 ppm
	Methanol	67-56-1	Saskatchewan OELs - 15 Minute Average Contamination Limit: 250 ppm
	Cumene	98-82-8	British Columbia OELs - 15-minute STEL: 75 ppm.
	Cumene	98-82-8	Manitoba OELs - 8-Hour Exposure Limit (TLV-TWA): 50 ppm
	Cumene	98-82-8	Ontario OELs - 8-Hour TWA Exposure Value (TWA): 50 ppm
	Cumene	98-82-8	Quebec OELs - 8-Hour TWA Exposure Value: 50 ppm / 246 mg/m ³
	Cumene	98-82-8	Saskatchewan OELs - 8 hour average contamination limit: 50 ppm

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Cumene	98-82-8	Saskatchewan OELs - 15 minute average contamination limit: 74 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:

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

Appearance (physical state, color):	Blue Liquid
Odor:	Not determined or not available.
Odor threshold:	Not determined or not available.
pH-value:	Not determined or not available.
Melting/Freezing point:	Not determined or not available.
Boiling point/range:	Not determined or not available.
Flash point:	100°C (212°F)
Evaporation rate:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	Not determined or not available.

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Explosion limit lower:	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.

Product data: No data available.

Substance data:

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

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Name	Route	Result
Methanol	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
α,α -dimethylbenzyl hydroperoxide; cumene hydroperoxide	Causes severe skin burns and eye damage.
Methyl Methacrylate	Causes skin irritation.
N,N-diethyl-p-toluidine	Causes skin irritation
Silica, amorphous, fumed, cryst.-free	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
N,N-diethyl-p-toluidine	Causes serious eye irritation
Silica, amorphous, fumed, cryst.-free	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:

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

International Agency for Research on Cancer (IARC):

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Name	Classification
Cumene	Group 2B - Possibly carcinogenic to humans
Titanium Dioxide	Group 2B
Silica, amorphous, fumed, cryst.-free	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
Cumene	Component affects the respiratory system.
Methyl Methacrylate	May cause respiratory irritation
Methanol	Causes damage to the optic nerve and central nervous system.
Silica, amorphous, fumed, cryst.-free	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
α,α -dimethylbenzyl hydroperoxide; cumene hydroperoxide	May cause damage to organs through prolonged or repeated exposure.
N,N-dimethyl-o-toluidine	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:

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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.

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

Canadian Transportation of Dangerous Goods (TDG)

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

SECTION 15: Regulatory information

Canada regulations

Domestic substances list (DSL):

80-15-9	α,α -dimethylbenzyl hydroperoxide; cumene hydroperoxide	Listed
98-82-8	Cumene	Listed
57-55-6	Propane-1,2-diol	Listed
80-62-6	Methyl Methacrylate	Listed
609-72-3	N,N-dimethyl-o-toluidine	Listed
613-48-9	N,N-diethyl-p-toluidine	Listed
67-56-1	Methanol	Listed
13463-67-7	Titanium Dioxide	Listed
112945-52-5	Silica, amorphous, fumed, cryst.-free	Listed

Non-domestic substances list (NDSL): None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

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Disclaimer:

This product has been classified in accordance with the Canadian Hazardous Products Regulations and WHMIS 2015. 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.

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End of Safety Data Sheet