

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 1 of 17

## Threadlocker - Medium Strength - Blue

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product Name:** Threadlocker - Medium Strength - Blue

**Product code:** 24206, 24213, 24236, 24250



#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**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.

#### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Manufacturer:**

**United States**

J-B Weld Company, LLC

1130 COMO ST.

SULPHUR SPRINGS, TX 75482

903-885-7696

info@jbweld.com

#### 1.4 Emergency telephone number:

**United States**

CHEMTREC

Transportation Emergencies (24 hour): 800-424-9300 or

703-527-3887

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

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture:

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

Skin irritation, category 2

Specific target organ toxicity - repeated exposure, category 2

Chronic aquatic hazard, category 3

**Hazard-determining components of labeling:**

Additive

Resin

Additive

Additive

Liquid Additive

Powder

#### 2.2 Label elements

**Hazard pictograms:**



**Signal word:** Warning

**Hazard statements:**

H315 Causes skin irritation.

H315+H320 Causes skin and eye irritation.

H370 Causes damage to organs.

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

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 2 of 17

## Threadlocker - Medium Strength - Blue

- P264 Wash skin and eyes thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P273 Avoid release to the environment.
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P362 Take off contaminated clothing and wash before reuse
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P332+P313 If skin irritation occurs: Get medical advice/attention
- P362+P364 Take off contaminated clothing and wash it 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.

2.3 Other hazards: None known

## SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable.

3.2 Mixture:

Identification	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 81-07-2 EC number: 201-321-0	Additive	Not classified	<5
CAS number: 13463-67-7 EC number: 236-675-5	Powder	Not classified	<1
CAS number: 57-55-6 EC number: 200-338-0	Liquid Additive	Not classified	<5
CAS number: 25852-47-5	Resin	Not classified	<80
CAS number: 9004-96-0 EC number: 500-015-7	Liquid	Not classified	<30
CAS number: 80-15-9 EC number: 201-254-7	Additive	Not classified	<5
CAS number: 98-82-8 EC number: 202-704-5	Additive	Asp. Tox. 1; H304 Stot SE 3; H335 Flam. Liq. 3; H226 Aquatic Chronic 2; H411	<1
CAS number: 80-62-6 EC number: 201-297-1	Resin	Skin Sens. 1; H317 Skin Irrit. 2 ; H315 Stot SE 3; H335 Flam. Liq. 2; H225	<1

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 3 of 17

## Threadlocker - Medium Strength - Blue

CAS number: 609-72-3 EC number: 210-199-8	Additive	Not classified	<1
CAS number: 613-48-9 EC number: 210-345-0	Additive	Not classified	<1
CAS number: 67-56-1 EC number: 200-659-6	Liquid Additive	Flam. Liq. 2; H225 Stot SE 1; H370 Acute Tox. 3; H331 Acute Tox. 3; H311 Acute Tox. 3; H301	<1
CAS number: 112945-52-5	Powder	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319 Stot SE 3; H335	<5

**Additional information:** None

**Full Text of H and EUH statements:** See section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General notes:**

Not determined or not available.

**Following inhalation:**

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

**Following skin contact:**

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

**Following eye contact:**

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

If symptoms develop or persist, seek medical attention

**Following ingestion:**

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

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

**Acute symptoms and effects:**

Not determined or not available.

**Delayed symptoms and effects:**

Not determined or not available.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Specific treatment:**

Not determined or not available.

**Notes for the doctor:**

Not determined or not available

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 4 of 17

## Threadlocker - Medium Strength - Blue

### SECTION 5: Firefighting measures

#### 5.1 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.

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

Thermal decomposition can lead to release of irritating gases and vapors.

#### 5.3 Advice for firefighters

##### Personal protection equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

##### Special precautions:

Not determined or not applicable.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

#### 6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

#### 6.3 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.

#### 6.4 Reference to other sections:

Not determined or not applicable.

### SECTION 7: Handling and storage

#### 7.1 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.

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

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

#### 7.3 Specific end use(s):

Not determined or not applicable.

### SECTION 8: Exposure controls/personal protection



## Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 5 of 17

### Threadlocker - Medium Strength - Blue

#### 8.1 Control parameters

Only those substances with limit values have been included below.

##### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Latvia	Additive	80-15-9	8-Hour TWA: 1 mg/m <sup>3</sup>
	Liquid Additive	57-55-6	8-hour TWA: 7 mg/m <sup>3</sup>
	Powder	112945-52-5	8-hour TWA: 1 mg/m <sup>3</sup>
	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Additive	98-82-8	8-hour TWA: 100 mg/m <sup>3</sup> / 20 ppm
	Additive	98-82-8	15-minute STEL: 250 mg/m <sup>3</sup> / 50 ppm
	Liquid Additive	67-56-1	8-hour TWA: 260 mg/m <sup>3</sup> (200 ppm)
Lithuania	Additive	80-15-9	8-Hour TWA: 1 mg/m <sup>3</sup>
	Liquid Additive	57-55-6	8-hour TWA: 7 mg/m <sup>3</sup>
	Powder	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup> 8-hr
	Additive	98-82-8	8-hour TWA: 120 mg/m <sup>3</sup> / 25 ppm
	Additive	98-82-8	15-minute STEL: 170 mg/m <sup>3</sup> / 35 ppm
	Liquid Additive	67-56-1	8-hour TWA: 260 mg/m <sup>3</sup> (200 ppm)
Croatia	Liquid Additive	57-55-6	Maximum (8 hr) allowable concentration: 150 ppm (474 mg/m <sup>3</sup> ) [Total vapor and particulates]
	Liquid Additive	57-55-6	Maximum (8 hr) allowable concentration: 150 ppm (10 mg/m <sup>3</sup> ) [Particulates]
	Powder	112945-52-5	Maximum (8 hr) allowable concentration: 6 mg/m <sup>3</sup> (total dust)
	Additive	98-82-8	Maximum (8 hr) allowable concentration: 20 ppm / 100 mg/m <sup>3</sup>
	Powder	112945-52-5	Maximum (8 hr) allowable concentration: 2.4 mg/m <sup>3</sup> (respirable dust)
	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Total dust) 15-min
	Additive	98-82-8	Short-term (15 min) allowable concentration: 50 ppm / 250 mg/m <sup>3</sup>
	Powder	13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust) 15-min
	Liquid Additive	67-56-1	Maximum (8 hr) allowable concentration: 200 ppm (260 mg/m <sup>3</sup> )
Australia	Resin	80-62-6	8 hr Time Weighted Avg (TWA): 208 mg/m <sup>3</sup>
Bulgaria	Powder	112945-52-5	TWA: 0.07 mg/m <sup>3</sup> (respirable fraction)

## Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 6 of 17

### Threadlocker - Medium Strength - Blue

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Powder	112945-52-5	TWA: 4.0 mg/m <sup>3</sup> (inhalable fraction)
	Additive	98-82-8	TWA: 100 mg/m <sup>3</sup> / 20 ppm
	Additive	98-82-8	15-minute STEL: 250 mg/m <sup>3</sup> / 50 ppm
	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Respirable dust)
	Liquid Additive	67-56-1	TWA: 260.0 mg/m <sup>3</sup> (200 ppm)
Denmark	Resin	80-62-6	8 hr Time Weighted Avg (TWA): 102 mg/m <sup>3</sup>
	Powder	13463-67-7	OEL: TWA 6.0 mg/m <sup>3</sup>
	Additive	98-82-8	TWA: 20 ppm / 100 mg/m <sup>3</sup> .
United Kingdom	Resin	80-62-6	8 hr Time Weighted Avg (TWA): 208 mg/m <sup>3</sup>
	Liquid Additive	57-55-6	TWA: 150 ppm (474 mg/m <sup>3</sup> ) [Total (vapor and particulates)]
	Liquid Additive	57-55-6	TWA: 10 mg/m <sup>3</sup> (Particulates)
	Powder	112945-52-5	TWA: 6 mg/m <sup>3</sup> (inhalable dust)
	Powder	112945-52-5	TWA: 2.4 mg/m <sup>3</sup> (respirable dust)
	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Total dust)
	Powder	13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust)
	Liquid Additive	67-56-1	TWA: 200 ppm (266 mg/m <sup>3</sup> )
	Liquid Additive	67-56-1	STEL: 250 ppm (333 mg/m <sup>3</sup> )
	Additive	98-82-8	TWA: 25 ppm / 125 mg/m <sup>3</sup>
	Additive	98-82-8	STEL: 50 ppm / 250 mg/m <sup>3</sup>
	Ireland	Liquid Additive	57-55-6
Liquid Additive		57-55-6	8-hour OEL (TWA): 10 mg/m <sup>3</sup> (Particulates)
Powder		112945-52-5	8-hour OEL (TWA): 6 mg/m <sup>3</sup> (inhalable dust)
Powder		112945-52-5	8-hour OEL (TWA): 2.4 mg/m <sup>3</sup> (respirable dust)
Powder		13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Inhalable dust) 8-hr
Powder		13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust) 8-hr
Liquid Additive		67-56-1	8-hour OEL (TWA): 200 ppm (260 mg/m <sup>3</sup> )
Additive		98-82-8	8-hour OEL (TWA): 20 ppm / 100 mg/m <sup>3</sup>
Additive		98-82-8	15-minute OEL (STEL): 50 ppm / 250 mg/m <sup>3</sup>
Germany	Resin	80-62-6	8 hr Time Weighted Avg (TWA): 210 mg/m <sup>3</sup>
	Powder	112945-52-5	AGW limit value: 4 mg/m <sup>3</sup>

## Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 7 of 17

### Threadlocker - Medium Strength - Blue

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Liquid Additive	67-56-1	AGW limit value: 200 ppm (270 mg/m <sup>3</sup> )
	Additive	98-82-8	Limit value: 10 ml/m <sup>3</sup> (ppm) / 50 mg/m <sup>3</sup>
Cyprus	Powder	112945-52-5	8-hour TWA: 5 mg/m <sup>3</sup> (particles > 5 micrometers)
	Powder	112945-52-5	8-hour TWA: 2 mg/m <sup>3</sup> (particles < 5 micrometers)
	Additive	98-82-8	8-hour TWA: 245 mg/m <sup>3</sup> / 50 ppm
	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
Czech Republic	Powder	112945-52-5	8-hour TWA: 4.0 mg/m <sup>3</sup> (dust)
	Additive	98-82-8	8-hour TWA: 100 mg/m <sup>3</sup>
	Additive	98-82-8	The ceiling limit (NPK-P): 250 mg/m <sup>3</sup>
	Liquid Additive	67-56-1	8-hour TWA: 250 mg/m <sup>3</sup>
	Liquid Additive	67-56-1	Ceiling limit (NPK-P): 1000 mg/m <sup>3</sup>
Estonia	Powder	112945-52-5	8-hour TWA: 2 mg/m <sup>3</sup> (fine dust)
	Powder	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup> 8-hr
	Additive	98-82-8	8-hour TWA: 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	STEL: 50 ppm / 250 mg/m <sup>3</sup>
	Liquid Additive	67-56-1	8-hour TWA: 200 ppm (250 mg/m <sup>3</sup> )
	Liquid Additive	67-56-1	STEL: 250 ppm (350 mg/m <sup>3</sup> )
Slovakia	Powder	112945-52-5	8-hour TWA (NPEL): 4 mg/m <sup>3</sup> [Silica, amorphous (heat and wet processes, unfired diatomaceous earth, diatomite)]
	Powder	112945-52-5	8-hour TWA (NPEL): 0.3 mg/m <sup>3</sup> [Silica, amorphous (fused silica, fused silica, fumes, burnt diatomaceous earth)]
	Powder	13463-67-7	OEL: TWA (NPEL) 5 mg/m <sup>3</sup> 8-hr
	Liquid Additive	67-56-1	8-hour TWA (NPEL): 200 ppm (260 mg/m <sup>3</sup> )
	Additive	98-82-8	8-hour TWA (NPEL): 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	15-minute STEL (NPEL): 50 ppm / 250 mg/m <sup>3</sup>
Poland	Powder	13463-67-7	OEL: TWA (NDS) 10.0 mg/m <sup>3</sup> 8-hr
	Additive	98-82-8	8-hour TWA (NDS): 100 mg/m <sup>3</sup>
	Liquid Additive	67-56-1	8-hour TWA (NDS): 100 mg/m <sup>3</sup>
	Additive	98-82-8	15-minute STEL (NDSCh): 250 mg/m <sup>3</sup>
	Liquid Additive	67-56-1	15-minute STEL (NDSCh): 300 mg/m <sup>3</sup>
Hungary	Additive	98-82-8	8-Hour TWA (ÁK Value): 100 mg/m <sup>3</sup>

## Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 8 of 17

### Threadlocker - Medium Strength - Blue

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Additive	98-82-8	The 60-Minute STEL (CK Value): 250 mg/m <sup>3</sup>
	Liquid Additive	67-56-1	8-hour TWA (ÁK Value): 260 mg/m <sup>3</sup>
Romania	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Powder	13463-67-7	OEL: STEL 15 mg/m <sup>3</sup> 15-min
	Liquid Additive	67-56-1	8-hour TWA: 260 mg/m <sup>3</sup> (200 ppm)
	Additive	98-82-8	8-Hour TWA: 100 mg/m <sup>3</sup> / 20 ppm
	Additive	98-82-8	15-minute STEL: 250 mg/m <sup>3</sup> / 50 ppm
Slovenia	Powder	112945-52-5	8-hour TWA: 4 mg/m <sup>3</sup> (inhalable fraction)
	Liquid Additive	67-56-1	8-hour TWA: 260 mg/m <sup>3</sup> (200 ppm)
	Additive	98-82-8	8-hour TWA: 100 mg/m <sup>3</sup> / 20 ppm.
Finland	Powder	112945-52-5	8-hour limit: 5 mg/m <sup>3</sup>
	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Liquid Additive	67-56-1	8-hour limit: 200 ppm (270 mg/m <sup>3</sup> )
	Liquid Additive	67-56-1	15-minute limit: 250 ppm (330 mg/m <sup>3</sup> )
	Additive	98-82-8	8-hour limit: 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	15-minute limit: 50 ppm / 250 mg/m <sup>3</sup>
Austria	Powder	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup>
	Powder	13463-67-7	OEL: STEL 10 mg/m <sup>3</sup>
Belgium	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Liquid Additive	67-56-1	8-hour TWA: 200 ppm (266 mg/m <sup>3</sup> )
	Liquid Additive	67-56-1	15-minute STEL: 250 ppm (333 mg/m <sup>3</sup> )
	Additive	98-82-8	8-hour TWA: 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	15-minute STEL: 50 ppm / 250 mg/m <sup>3</sup>
Malta	Additive	98-82-8	TWA: 20 ppm
	Additive	98-82-8	TWA: 100 mg/m <sup>3</sup>
	Additive	98-82-8	STEL: 50 ppm
	Additive	98-82-8	STEL: 250 mg/m <sup>3</sup>
	Liquid Additive	67-56-1	TWA: 200 ppm (260 mg/m <sup>3</sup> )
France	Powder	13463-67-7	OEL: (VME) 10 mg/m <sup>3</sup>
	Liquid Additive	67-56-1	Time weighted average (VME): 200 ppm (260 mg/m <sup>3</sup> )
	Liquid Additive	67-56-1	Short term exposure limit: 1000 ppm (1300 mg/m <sup>3</sup> )



## Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 9 of 17

### Threadlocker - Medium Strength - Blue

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Additive	98-82-8	Time weighted average (VME): 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	Short term exposure limit: 50 ppm / 250 mg/m <sup>3</sup>
Greece	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Inhalable) 8-hr
	Powder	13463-67-7	OEL: TWA 5.0 mg/m <sup>3</sup> (Respirable dust) 8-hr
	Liquid Additive	67-56-1	8-hour TWA: 200 ppm (260 mg/m <sup>3</sup> )
	Liquid Additive	67-56-1	15-minute STEL: 250 ppm (325 mg/m <sup>3</sup> )
	Additive	98-82-8	8-hour TWA: 50 ppm / 245 mg/m <sup>3</sup>
	Additive	98-82-8	15-minute STEL: 75 ppm / 370 mg/m <sup>3</sup>
Italy	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Liquid Additive	67-56-1	8-hour TWA: 200 ppm (260 mg/m <sup>3</sup> )
	Additive	98-82-8	8-hour TWA: 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	15-min. STEL: 50 ppm / 250 mg/m <sup>3</sup>
European Union	Liquid Additive	67-56-1	IOEL threshold limit: 260 mg/m <sup>3</sup> (200 ppm)
	Additive	98-82-8	The threshold limit: 100 mg/m <sup>3</sup> / 20 ppm
	Additive	98-82-8	The STEL: 250 mg/m <sup>3</sup> / 50 ppm
Portugal	Powder	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Liquid Additive	67-56-1	Decree-Law No. 24/2012 8-hour TWA: 200 ppm (260 mg/m <sup>3</sup> )
	Liquid Additive	67-56-1	NP 1796-2007 8-hour exposure limit: 200 ppm
	Liquid Additive	67-56-1	NP 1796-2007 Short-term exposure limit: 250 ppm
	Additive	98-82-8	8-hour TWA: 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	15-minute STEL: 50 ppm / 250 mg/m <sup>3</sup>
	Additive	98-82-8	8-Hour exposure limit: 50 ppm
Spain	Powder	13463-67-7	OEL: (VLA_ED) 10.0 mg/m <sup>3</sup> 8-hr
	Liquid Additive	67-56-1	8-hour daily exposure limit (VLA- ED): 200 ppm (266 mg/m <sup>3</sup> )
	Additive	98-82-8	8-hour daily exposure limit (VLA- ED): 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	15-minute STEL (VLA-EC): 50 ppm / 250 mg/m <sup>3</sup>
Sweden	Powder	13463-67-7	OEL: (NGV) 5.0 (Total dust) mg/m <sup>3</sup>
	Liquid Additive	67-56-1	Level Limit Value (NGV): 200 ppm (250 mg/m <sup>3</sup> )

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 10 of 17

## Threadlocker - Medium Strength - Blue

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Liquid Additive	67-56-1	Short Term Limit (KTV): 250 ppm (350 mg/m <sup>3</sup> )
	Additive	98-82-8	Level Limit Value (NGV): 25 ppm / 120 mg/m <sup>3</sup>
	Additive	98-82-8	Ceiling Limit Value (TGV): 50 ppm / 250 mg/m <sup>3</sup>
Luxembourg	Liquid Additive	67-56-1	TWA: 200 ppm (260 mg/m <sup>3</sup> )
	Additive	98-82-8	TWA: 20 ppm / 100 mg/m <sup>3</sup>
	Additive	98-82-8	STEL: 50 ppm / 250 mg/m <sup>3</sup>
Netherlands	Liquid Additive	67-56-1	Binding 8-hour TWA: 133 mg/m <sup>3</sup>
	Additive	98-82-8	The binding 8-hour TWA: 100 mg/m <sup>3</sup>
	Additive	98-82-8	The binding STEL is: 250 mg/m <sup>3</sup> (Binding STEL time period is 15 min.)

### Biological limit values:

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

### Derived No Effect Level (DNEL):

Not determined or not applicable.

### Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

### 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

## 8.2 Exposure controls

### 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.

### Environmental exposure controls:

Select controls based on a risk assessment of local conditions.

See section 6 for information on accidental release measures.

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 11 of 17

## Threadlocker - Medium Strength - Blue

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

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

#### 9.2 Other information

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity:

Does not react under normal conditions of use and storage.

#### 10.2 Chemical stability:

Stable under normal conditions of use and storage.

#### 10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

#### 10.4 Conditions to avoid:

None known.

#### 10.5 Incompatible materials:

None known.

#### 10.6 Hazardous decomposition products:

None known.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

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

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 12 of 17

## Threadlocker - Medium Strength - Blue

**Product data:** No data available.

**Substance data:**

Name	Route	Result
Additive	inhalation	LC50 - Mouse: 200 ppm (4 hours)
	oral	LD50 - Rat: 382 mg/kg
	dermal	LD50 - Rat: 500 mg/kg
Liquid Additive	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	Rabbit: Mild skin irritation 24h
Additive	Causes severe skin burns and eye damage.
	Causes skin irritation
Resin	Causes skin irritation.
Powder	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	Rabbit: Mild eye irritation - 24hr
Additive	Causes serious eye irritation
Powder	Irritating effect on the eyes.

### 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:**

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

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

Name	Classification
Additive	Group 2B - Possibly carcinogenic to humans

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 13 of 17

## Threadlocker - Medium Strength - Blue

Name	Classification
Powder	Group 2B
	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	Component affects the respiratory system.
Resin	May cause respiratory irritation
Liquid Additive	Causes damage to the optic nerve and central nervous system.
Powder	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	May cause damage to organs through prolonged or repeated exposure.
	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
Additive	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

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 14 of 17

## Threadlocker - Medium Strength - Blue

### 12.1 Toxicity

#### 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	EC50 - Daphnia magna - 1.4 mg/L - 24 h
	LC50 - Pimephales promelas - 6.32 mg/L - 96 h

#### Chronic (long-term) toxicity

**Product data:** No data available.

**Substance data:** No data available.

### 12.2 Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### 12.3 Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### 12.4 Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

### 12.5 Results of PBT and vPvB assessment

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Relevant information:

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

## SECTION 14: Transport information

### International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

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 Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 15 of 17

## Threadlocker - Medium Strength - Blue

Special precautions for user	None
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### 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

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

#### European regulations

##### Inventory listing (EINECS):

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

**REACH SVHC candidate list:** Not determined.

**REACH SVHC Authorizations:** Not determined.

##### REACH Restriction:

67-56-1	Liquid Additive	Listed
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**Water hazard class (WGK) (Product):** Not determined.

**Water hazard class (WGK) (Substance):**

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 16 of 17

## Threadlocker - Medium Strength - Blue

Ingredient Name	CAS	Class
Resin	25852-47-5	Class 1
Liquid	9004-96-0	Class 1
Additive	81-07-2	Class 2
Additive	80-15-9	Class 2
Additive	609-72-3	Class 1
Powder	13463-67-7	Non-hazardous to water.

### Other regulations

**Germany MAK:** 8-hour TWA: 200 ppm (270 mg/m<sup>3</sup>), 8-hour TWA: 4 mg/m<sup>3</sup> (inhalable fraction)

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

### Indication of changes:

Not applicable.

### Abbreviations and Acronyms: None

### Classification procedure:

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Skin irritation, category 2	Calculation method
Specific target organ toxicity - repeated exposure, category 2	Calculation method
Chronic aquatic hazard, category 3	Calculation method

### Summary of classification in section 3:

Asp. Tox. 1; H304	Aspiration hazard, category 1
Stot SE 3; H335	Specific target organ toxicity - single exposure, category 3, respiratory irritation
Flam. Liq. 3; H226	Flammable liquids, category 3
Aquatic Chronic 2; H411	Chronic aquatic hazard, category 2
Skin Sens. 1; H317	Skin sensitization, category 1
Skin Irrit. 2 ; H315	Skin irritation, category 2
Flam. Liq. 2; H225	Flammable liquids, category 2
Stot SE 1; H370	Specific target organ toxicity - single exposure, category 1
Acute Tox. 3; H331	Acute toxicity (inhalation), category 3
Acute Tox. 3; H311	Acute toxicity (dermal), category 3
Acute Tox. 3; H301	Acute toxicity (oral), category 3
Eye Irrit. 2; H319	Eye irritation, category 2A

### Summary of hazard statements in section 3:

H304	May be fatal if swallowed and enters airways
H335	May cause respiratory irritation
H226	Flammable liquid and vapour
H411	Toxic to aquatic life with long lasting effects
H317	May cause an allergic skin reaction
H315	Causes skin irritation
H225	Highly flammable liquid and vapour
H370	Causes damage to organs
H331	Toxic if inhaled
H311	Toxic in contact with skin
H301	Toxic if swallowed
H319	Causes serious eye irritation



## Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.26.2018

Page 17 of 17

### Threadlocker - Medium Strength - Blue

#### Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP) and EC No. 1907/2006 (REACH). 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: 07.26.2018

**End of Safety Data Sheet**