



# SAFETY DATA SHEET

## High Strength Threadlocker - Red

Page: 1

Revision: 06/24/2015

Supersedes Revision: 10/09/2013

### 1. Product and Company Identification

**Product Code:** C27110; C27150  
**Product Name:** High Strength Threadlocker - Red  
**Company Name:** CYCLO INDUSTRIES, INC.  
902 SOUTH US HIGHWAY 1  
JUPITER, FL 33477  
**Phone Number:** (800)843-7813  
**Web site address:** www.cyclo.com  
**Email address:** ehs@cyclo.com  
**Emergency Contact:** First Aid Emergency (800)752-7869  
CHEMTREC (703) 527-3887 (800)424-9300  
**Information:** First Aid Emergency (Outside U.S.) (312)906-6194

### 2. Hazards Identification

Organic Peroxides, Type F

Acute Toxicity: Inhalation, Category 3

Skin Corrosion/Irritation, Category 1B

Serious Eye Damage/Eye Irritation, Category 1

Skin Sensitization, Category 1

Specific Target Organ Toxicity (repeated exposure), Category 2

Aquatic Toxicity (Chronic), Category 2

Specific Target Organ Toxicity (single exposure), Category 3

Aspiration Toxicity, Category 1

Acute Toxicity: Oral, Category 4

Acute Toxicity: Skin, Category 4

Carcinogenicity, Category 2

Aquatic Toxicity (Acute), Category 2



**GHS Signal Word:**

**Danger**

**GHS Hazard Phrases:**

H242: Heating may cause a fire.  
H302: Harmful if swallowed.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H331: Toxic if inhaled.  
H335: May cause respiratory irritation.  
H340: May cause genetic defects.  
H351: Suspected of causing cancer.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H401: Toxic to aquatic life.  
H411: Toxic to aquatic life with long lasting effects.  
H336: May cause drowsiness or dizziness.  
H351: Suspected of causing cancer {state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard}.

**GHS Precaution Phrases:**

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.



# SAFETY DATA SHEET

## High Strength Threadlocker - Red

Page: 2

Revision: 06/24/2015

Supersedes Revision: 10/09/2013

P220: Keep away from combustible materials.  
P234: Keep only in original container.  
P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P363: Wash contaminated clothing before reuse.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

### GHS Response Phrases:

### GHS Storage and Disposal Phrases:

P405: Store locked up.  
P410: Protect from sunlight.  
P420: Store away from other materials.  
P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

### Potential Health Effects (Acute and Chronic):

No data available.

**Medical Conditions Generally** Preexisting skin disorders.

### Aggravated By Exposure:

## 3. Composition/Information on Ingredients

| CAS #      | Hazardous Components (Chemical Name)                                                                                                      | Concentration |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 868-77-9   | 2-Hydroxyethyl methacrylate                                                                                                               | 20.0 -30.0 %  |
| NA         | Polyester Resin                                                                                                                           | 20.0 -30.0 %  |
| 41637-38-1 | Poly(oxy-1,2-ethanediyl),<br>.alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenyl<br>ene]bis[.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]<br>- | 5.0 -10.0 %   |
| 128-44-9   | Saccharin, Sodium                                                                                                                         | 1.0 -5.0 %    |
| 80-15-9    | Cumene hydroperoxide                                                                                                                      | 1.0 -5.0 %    |



# SAFETY DATA SHEET

## High Strength Threadlocker - Red

Page: 3

Revision: 06/24/2015

Supersedes Revision: 10/09/2013

### 4. First Aid Measures

**Emergency and First Aid Procedures:**

If swallowed, do not induce vomiting. Rinse mouth. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call physician immediately if adverse reaction occurs.

### 5. Fire Fighting Measures

**Flash Pt:** > 200.00 C (392.0 F) Method Used: Pensky-Marten Closed Cup

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical.

**Fire Fighting Instructions:** Wear a NIOSH approved self-contained breathing apparatus operated in pressure-demand or other positive pressure when fighting fires. Sealed containers may rupture explosively if exposed to heat.

**Flammable Properties and Hazards:** No data available.

**Hazardous Combustion Products:** Oxides of carbon

### 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Take up with inert absorbent. Maintain good ventilation. Store in a closed waste container until disposal.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Keep away from combustible materials. Keep only in original container. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Keep out of the reach of children.

**Precautions To Be Taken in Storing:** Store locked up. Protect from sunlight. Store away from other materials.

**Other Precautions:** Anaerobics sealants are not recommended for use in oxygen rich systems.

### 8. Exposure Controls/Personal Protection

| CAS #      | Partial Chemical Name                                                                                                          | OSHA TWA | ACGIH TWA | Other Limits |
|------------|--------------------------------------------------------------------------------------------------------------------------------|----------|-----------|--------------|
| 868-77-9   | 2-Hydroxyethyl methacrylate                                                                                                    | No data. | No data.  | No data.     |
| NA         | Polyester Resin                                                                                                                | No data. | No data.  | No data.     |
| 41637-38-1 | Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenylene]bis[.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]- | No data. | No data.  | No data.     |
| 128-44-9   | Saccharin, Sodium                                                                                                              | No data. | No data.  | No data.     |
| 80-15-9    | Cumene hydroperoxide                                                                                                           | No data. | No data.  | No data.     |



# SAFETY DATA SHEET

## High Strength Threadlocker - Red

Page: 4

Revision: 06/24/2015

Supersedes Revision: 10/09/2013

|                                                 |                                                                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory Equipment (Specify Type):</b>    | Local exhaust ventilation as necessary to control any air contaminants within their exposure limits. Wear a NIOSH/MSHA approved respirator when exposure are expected to exceed the applicable limits. |
| <b>Eye Protection:</b>                          | Safety glasses                                                                                                                                                                                         |
| <b>Protective Gloves:</b>                       | Rubber or plastic gloves.                                                                                                                                                                              |
| <b>Other Protective Clothing:</b>               | No data available.                                                                                                                                                                                     |
| <b>Engineering Controls (Ventilation etc.):</b> | No data available.                                                                                                                                                                                     |

### 9. Physical and Chemical Properties

|                                           |                                                            |
|-------------------------------------------|------------------------------------------------------------|
| <b>Physical States:</b>                   | [ ] Gas [ X ] Liquid [ ] Solid                             |
| <b>Appearance and Odor:</b>               | Red liquid. Mild odor.                                     |
| <b>pH:</b>                                | NP                                                         |
| <b>Melting Point:</b>                     | No data.                                                   |
| <b>Boiling Point:</b>                     | > 150.00 C (302.0 F)                                       |
| <b>Flash Pt:</b>                          | > 200.00 C (392.0 F) Method Used: Pensky-Marten Closed Cup |
| <b>Evaporation Rate:</b>                  | NE                                                         |
| <b>Flammability (solid, gas):</b>         | No data available.                                         |
| <b>Explosive Limits:</b>                  | LEL: No data. UEL: No data.                                |
| <b>Vapor Pressure (vs. Air or mm Hg):</b> | NE                                                         |
| <b>Vapor Density (vs. Air = 1):</b>       | > 1 AIR=1                                                  |
| <b>Specific Gravity (Water = 1):</b>      | No data.                                                   |
| <b>Solubility in Water:</b>               | Insoluble                                                  |
| <b>Percent Volatile:</b>                  | No data.                                                   |
| <b>VOC / Volume:</b>                      | 0.1340 LB/GA                                               |
| <b>Autoignition Pt:</b>                   | No data.                                                   |

### 10. Stability and Reactivity

|                                                   |                                                                                                         |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Stability:</b>                                 | Unstable [ ] Stable [ X ]                                                                               |
| <b>Conditions To Avoid - Instability:</b>         | No data available.                                                                                      |
| <b>Incompatibility - Materials To Avoid:</b>      | Strong oxidizers, free radical initiators, inert gasses, Peroxides, Reducing agents, Oxygen scavengers. |
| <b>Hazardous Decomposition or Byproducts:</b>     | Oxides of carbon                                                                                        |
| <b>Possibility of Hazardous Reactions:</b>        | Will occur [ X ] Will not occur [ ]                                                                     |
| <b>Conditions To Avoid - Hazardous Reactions:</b> | Heat                                                                                                    |



# SAFETY DATA SHEET

## High Strength Threadlocker - Red

Page: 5

Revision: 06/24/2015

Supersedes Revision: 10/09/2013

### 11. Toxicological Information

**Toxicological Information:** No data available.

| CAS #      | Hazardous Components (Chemical Name)                                                                                                  | NTP  | IARC | ACGIH | OSHA |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|------|------|-------|------|
| 868-77-9   | 2-Hydroxyethyl methacrylate                                                                                                           | n.a. | n.a. | n.a.  | n.a. |
| NA         | Polyester Resin                                                                                                                       | n.a. | n.a. | n.a.  | n.a. |
| 41637-38-1 | Poly(oxy-1,2-ethanediyl),<br>.alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenylene]bis[.o<br>mega.-[(2-methyl-1-oxo-2-propenyl)oxy]- | n.a. | n.a. | n.a.  | n.a. |
| 128-44-9   | Saccharin, Sodium                                                                                                                     | n.a. | n.a. | n.a.  | n.a. |
| 80-15-9    | Cumene hydroperoxide                                                                                                                  | n.a. | n.a. | n.a.  | n.a. |

### 12. Ecological Information

No data available.

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents/container in accordance with local/regional/national/international regulation.

### 14. Transport Information

**LAND TRANSPORT (US DOT):****DOT Proper Shipping Name:** Not-Restricted**DOT Hazard Class:****UN/NA Number:****LAND TRANSPORT (European ADR/RID):****ADR/RID Shipping Name:** Not-Restricted**UN Number:****Hazard Class:****MARINE TRANSPORT (IMDG/IMO):****IMDG/IMO Shipping Name:** Not-Restricted**AIR TRANSPORT (ICAO/IATA):****ICAO/IATA Shipping Name:** Not-Restricted

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

| CAS #      | Hazardous Components (Chemical Name)                                                                                                      | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|--------------|
| 868-77-9   | 2-Hydroxyethyl methacrylate                                                                                                               | No           | No        | No           |
| NA         | Polyester Resin                                                                                                                           | No           | No        | No           |
| 41637-38-1 | Poly(oxy-1,2-ethanediyl),<br>.alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenyl<br>ene]bis[.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]<br>- | No           | No        | No           |
| 128-44-9   | Saccharin, Sodium                                                                                                                         | No           | No        | No           |
| 80-15-9    | Cumene hydroperoxide                                                                                                                      | No           | Yes 10 LB | Yes          |

**CAS # Hazardous Components (Chemical Name)****Other US EPA or State Lists**

868-77-9 2-Hydroxyethyl methacrylate

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -  
Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA  
Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS:  
No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No



# SAFETY DATA SHEET

## High Strength Threadlocker - Red

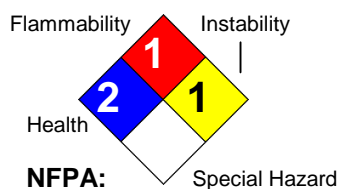
Page: 6

Revision: 06/24/2015

Supersedes Revision: 10/09/2013

|              |                                                                                                                                           |                                                                                                                                                                                                                                                         |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NA           | Polyester Resin                                                                                                                           | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No                                                       |
| 41637-38-1   | Poly(oxy-1,2-ethanediyl),<br>.alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenyl<br>ene]bis[.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]<br>- | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -<br>Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA<br>Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS:<br>No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No                                 |
| 128-44-9     | Saccharin, Sodium                                                                                                                         | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -<br>Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA<br>Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS:<br>No; NY Part 597: No; PA HSL: Yes - S; SC TAP: No; WI Air:<br>No                         |
| 80-15-9      | Cumene hydroperoxide                                                                                                                      | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -<br>Inventory, 8D TERM; CA PROP.65: No; CA TAC, Title 8: TAC;<br>MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ<br>EHS: Yes - 0543; NY Part 597: Yes; PA HSL: Yes - E; SC<br>TAP: No; WI Air: No |
| <b>CAS #</b> | <b>Hazardous Components (Chemical Name)</b>                                                                                               | <b>International Regulatory Lists</b>                                                                                                                                                                                                                   |
| 868-77-9     | 2-Hydroxyethyl methacrylate                                                                                                               | Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA:<br>Yes                                                                                                                                                                                              |
| NA           | Polyester Resin                                                                                                                           | Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No                                                                                                                                                                                                   |
| 41637-38-1   | Poly(oxy-1,2-ethanediyl),<br>.alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenyl<br>ene]bis[.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]<br>- | Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA:<br>Yes                                                                                                                                                                                              |
| 128-44-9     | Saccharin, Sodium                                                                                                                         | Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA:<br>Yes                                                                                                                                                                                              |
| 80-15-9      | Cumene hydroperoxide                                                                                                                      | Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA:<br>Yes                                                                                                                                                                                              |

## 16. Other Information

**Revision Date:** 06/24/2015**Hazard Rating System:****Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

Cyclo Industries, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Cyclo Industries, Inc. makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, Inc. will not be responsible for damages resulting from use of or reliance upon this information.