



SAFETY DATA SHEET

High Temp Sleeve Retainer

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Revision: 06/24/2015

Supersedes Revision: 10/09/2013

1. Product and Company Identification

Product Code: C64050
Product Name: High Temp Sleeve Retainer
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 E

Acute Toxicity: Inhalation, Category 3

Acute Toxicity: Oral, Category 3

Acute Toxicity: Skin, Category 3

Skin Corrosion/Irritation, Category 1A

Serious Eye Damage/Eye Irritation, Category 2A

Skin Sensitization, Category 1

Specific Target Organ Toxicity (single exposure), Category 3

Aquatic Toxicity (Acute), Category 2

Aquatic Toxicity (Chronic), Category 2

Germ Cell Mutagenicity, Category 1B

Aspiration Toxicity, Category 1

Carcinogenicity, Category 2



GHS Signal Word:

Danger

GHS Hazard Phrases:

H242: Heating may cause a fire.
H301: Toxic if swallowed.
H304: May be fatal if swallowed and enters airways.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H335: May cause respiratory irritation.
H340: May cause genetic defects.
H351: Suspected of causing cancer.
H401: Toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

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.
P220: Keep away from combustible materials.
P234: Keep only in original container.
P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.
P264: Wash hands thoroughly after handling.



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GHS Response Phrases:

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 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 Aggravated By Exposure:

Preexisting skin disorders.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Urethane dimethacrylate	40.0 -50.0 %
27813-02-1	Hydroxyalkyl methacrylate	30.0 -40.0 %
79-10-7	Acrylic acid	5.0 -10.0 %
NA	Polyester Resin	5.0 -10.0 %
80-15-9	Cumene hydroperoxide	1.0 -5.0 %
609-72-3	N,N-Dimethyl-o-toluidine	<=1.0 %

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.



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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.
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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. Avoid breathing{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
NA	Urethane dimethacrylate	No data.	No data.	No data.
27813-02-1	Hydroxyalkyl methacrylate	No data.	No data.	No data.
79-10-7	Acrylic acid	No data.	TLV: 2 ppm	No data.
NA	Polyester Resin	No data.	No data.	No data.
80-15-9	Cumene hydroperoxide	No data.	No data.	No data.
609-72-3	N,N-Dimethyl-o-toluidine	No data.	No data.	No data.
Respiratory Equipment (Specify Type):	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.			
Eye Protection:	Safety glasses			
Protective Gloves:	Rubber or plastic gloves.			
Other Protective Clothing:	No data available.			
Engineering Controls (Ventilation etc.):	No data available.			



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9. Physical and Chemical Properties

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

10. Stability and Reactivity

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



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11. Toxicological Information

Toxicological Information: No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	Urethane dimethacrylate	n.a.	n.a.	n.a.	n.a.
27813-02-1	Hydroxyalkyl methacrylate	n.a.	n.a.	n.a.	n.a.
79-10-7	Acrylic acid	n.a.	3	A4	n.a.
NA	Polyester Resin	n.a.	n.a.	n.a.	n.a.
80-15-9	Cumene hydroperoxide	n.a.	n.a.	n.a.	n.a.
609-72-3	N,N-Dimethyl-o-toluidine	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)
NA	Urethane dimethacrylate	No	No	No
27813-02-1	Hydroxyalkyl methacrylate	No	No	No
79-10-7	Acrylic acid	No	Yes 5000 LB	Yes
NA	Polyester Resin	No	No	No
80-15-9	Cumene hydroperoxide	No	Yes 10 LB	Yes
609-72-3	N,N-Dimethyl-o-toluidine	No	No	No

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

NA	Urethane dimethacrylate	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
27813-02-1	Hydroxyalkyl methacrylate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA



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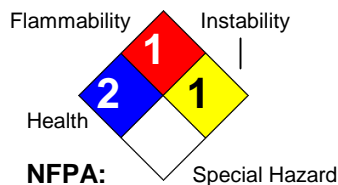
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79-10-7	Acrylic acid	Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 0023; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
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
80-15-9	Cumene hydroperoxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 0543; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: No
609-72-3	N,N-Dimethyl-o-toluidine	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
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
NA	Urethane dimethacrylate	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No
27813-02-1	Hydroxyalkyl methacrylate	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
79-10-7	Acrylic acid	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
NA	Polyester Resin	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No
80-15-9	Cumene hydroperoxide	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
609-72-3	N,N-Dimethyl-o-toluidine	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

16. Other Information

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Hazard Rating System:



Additional Information About This Product: No data available.

This Product:

Company Policy or

Disclaimer:

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