



SAFETY DATA SHEET

Worn-Part Retaining Compound

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Revision: 06/24/2015

Supersedes Revision: 01/30/2012

1. Product and Company Identification

Product Code: C66050
Product Name: Worn-Part Retaining Compound
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

Acute Toxicity: Oral, Category 3

Acute Toxicity: Skin, Category 3

Serious Eye Damage/Eye Irritation, Category 1

Skin Sensitization, Category 1

Specific Target Organ Toxicity (repeated exposure), Category 2

Aquatic Toxicity (Acute), Category 2

Aquatic Toxicity (Chronic), Category 3

Specific Target Organ Toxicity (single exposure), Category 3

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.
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.
H412: Harmful 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.
P260: Do not breathe 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.

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 %
NA	Polyester resin	10.0 -15.0 %
79-10-7	Acrylic acid	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:	> 212.00 F (100.0 C)		
Explosive Limits:	LEL: No data.	UEL: No data.	
Autoignition Pt:	No data.		
Suitable Extinguishing Media:	Dry chemical, carbon dioxide, foam, water spray.		
Fire Fighting Instructions:	Fire fighters should wear full turnout gear.		
Flammable Properties and Hazards:	Fire temperatures may cause spontaneous polymerization and cause containers to burst.		
Hazardous Combustion Products:	Keep containers cool with water spray.		
Hazardous Combustion Products:	Oxides of carbon. Potential exists for generation of other hazardous combustion products such as smoke and fumes.		

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Only a trained person should clean a spill. Soak up spills using inert absorbent material and place in an appropriate container for disposal. Do not allow product into soil, waterways, drains, or sewers.
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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. 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.

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.
NA	Polyester resin	No data.	No data.	No data.
79-10-7	Acrylic acid	No data.	TLV: 2 ppm	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):	Wear NIOSH approved respiratory protection when engineering controls are not adequate to maintain exposure below limits, or if a risk assessment indicates respiratory protection is necessary.
Eye Protection:	Wear chemical splash goggles when risk assessment indicates potential for exposure to splash, spraying liquids, airborne particles, or vapor exists.
Protective Gloves:	Wear chemical resistant gloves, such as nitrile or neoprene.
Other Protective Clothing:	Protective clothing should be worn to avoid skin contact.
Engineering Controls (Ventilation etc.):	Ensure adequate ventilation.



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9. Physical and Chemical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Appearance and Odor:	Silver liquid. Mild odor.		
pH:	NP		
Melting Point:	NE		
Boiling Point:	NE		
Flash Pt:	> 212.00 F (100.0 C)		
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):	NE		
Specific Gravity (Water = 1):	NE		
Solubility in Water:	Negligible		
Percent Volatile:	NE		
Autoignition Pt:	No data.		

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid -	Do not store near heat or in direct sunlight. Avoid metal ions, peroxides, acids, bases,
Instability:	primary and secondary amines. Avoid contamination by foreign materials.
Incompatibility - Materials To Avoid:	No data available.
Hazardous Decomposition or Byproducts:	Acrid smoke and fumes. Oxides of carbon.
Possibility of Hazardous Reactions:	Will occur [X] Will not occur []
Conditions To Avoid -	No data available.
Hazardous Reactions:	

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.
NA	Polyester resin	n.a.	n.a.	n.a.	n.a.
79-10-7	Acrylic acid	n.a.	3	A4	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.



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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
NA	Polyester resin	No	No	No
79-10-7	Acrylic acid	No	Yes 5000 LB	Yes
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 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
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
79-10-7	Acrylic acid	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
80-15-9	Cumene hydroperoxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -



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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)

NA	Urethane Dimethacrylate
27813-02-1	Hydroxyalkyl methacrylate
NA	Polyester resin
79-10-7	Acrylic acid
80-15-9	Cumene hydroperoxide
609-72-3	N,N-Dimethyl-o-toluidine

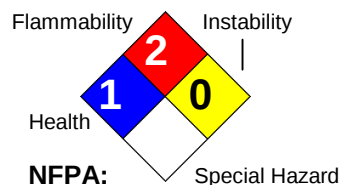
International Regulatory Lists

Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No
Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: No
Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

16. Other Information

Revision Date: 06/24/2015

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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