

# Material Safety Data Sheet

# MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
Product Brand: Bar's Leaks®	Product Part #: 1600
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	Product Name: Power Steering Repair
	24-Hour Emergency (CHEMTREC): 1-800-424-9300
	Information: 1-248-634-8278 / www.barsleaks.com
	Date Prepared: 9/14/09

Section 2—COMPOSITION / INFORMATION ON INGREDIENTS					
Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS NUMBER	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Methacrylate Copolymer	Confidential	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>		
Zinc Alkyl Dithiophosphate	68649-42-3	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>		<1.0
Copolymer Ester	Confidential	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>		
<i>All other components are considered to be non-hazardous as per OSHA 29 CFR 1910.1200.</i>					

Section 3—HAZARDS IDENTIFICATION						
Potential Health Effects:	EYE -	Irritation, redness, or blurred vision.				
	SKIN -	Slightly to moderately irritating to the skin.				
	INHALATION -	Vapors may irritate nose, throat, and respiratory tract.				
	INGESTION -	Nausea, vomiting, dizziness, headache, blurred vision.				
Acute Health Hazards:	Contact with the skin may cause transient dermal irritation or dryness.					
Chronic Health Hazards:	None expected at the industrial level.					
Medical Conditions	Not determined.					
Aggravated by Exposure:						
Target Organ Effects:	No data available.					
Carcinogenicity:	OSHA	No	IARC	No	NTP	No

Section 4—FIRST AID MEASURES	
Eye:	Flush with clear water for 15 minutes.
Skin Contact:	Wash thoroughly with mild soap and water. Contact a physician if irritation persists.
Inhalation:	Not considered to be an inhalation hazard. If breathing becomes difficult, remove to fresh air immediately. Seek medical attention.
Ingestion:	Has a laxative effect resulting in rapid elimination. Do not induce vomiting. Consultation with a physician is recommended.
Note To Physician:	Treat for clinical symptoms.

Section 5—FIRE FIGHTING MEASURES						
Flash Point (Method Used):	417°F / 214°C (ASTM D92)					
Flammable Limits	LEL (lower explosion limit):	N/E				
	UEL (upper explosion limit):	N/E				
Extinguishing Media:	Regular foam, dry chemical, or carbon dioxide.					
Special Fire Fighting Procedures:	Self contained breathing equipment and chemical resistant clothing recommended.					
Unusual Fire and Explosion Hazards:	Extreme heat may cause sealed containers to rupture. Cool fire-exposed containers with water.					
NFPA National Fire Protection Agency:	Health	1	Flammability	1	Reactivity	0
HMIS Hazardous Material Identification:	Health	1	Flammability	1	Reactivity	0 PPE B

**Section 6—ACCIDENTAL RELEASE MEASURES**

**Spill or Leak Procedures:** Dike or pillow area. Remove all sources of irrigation. Ventilate area if necessary. Absorb free liquid with earth, sand, clay or absorbent pads and place in non-leak containers for disposal. Flush area for trace residue and dispose of as below. Wear respiratory protection for large spill, leak or release. Use personal protective equipment as stated in Section 8. Do not flush to drain/storm sewer.

**Section 7—HANDLING AND STORAGE**

<b>Storage Temperature (MIN/MAX):</b>	N/E	<b>Shelf Life:</b>	N/E
<b>Handling/Storage Precautions:</b>	Store in original container in area inaccessible to children and pets. Do not reuse container. Do not store sealed container near extreme heat. Do not store or mix with strong acids or oxidizers.		

**Section 8—EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Engineering Controls:</b>	Mechanical to maintain exposure below TLV(s).
<b>Respiratory Protection:</b>	Generally not needed.
<b>Skin Protection:</b>	Use chemical resistant gloves to avoid prolonged or repeated skin contact.
<b>Eye Protection:</b>	Use safety glasses with side shields.

**Section 9—PHYSICAL / CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid	<b>Freezing Point:</b>	N/D
<b>Appearance:</b>	Side 1 Orange / Side 2 Light Amber	<b>Melting Point:</b>	N/A
<b>Odor:</b>	Mild petroleum odor	<b>Boiling Point °F (°C):</b>	>500 °F
<b>Solubility in Water:</b>	Nil	<b>Evaporation Rate:</b>	<<1
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	.86 @ 60°F	<b>Vapor Density (AIR = 1):</b>	N/A
<b>pH:</b>	N/A	<b>Vapor Pressure (mm Hg):</b>	N/D
<b>Percent Volatiles (VOC):</b>	0%		

**Section 10—STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable
<b>Incompatibility:</b>	Oxidizing materials.
<b>Hazardous Decomposition Products:</b>	Oxides of carbon, nitrogen and sulfur from combustion.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Contact with open flame or heat.

**Section 11—TOXICOLOGICAL INFORMATION**

Long-term toxicological studies have not been conducted for this product.

**Section 12—ECOLOGICAL INFORMATION**

<b>Ecotoxicological Information:</b>	No data available
<b>Environmental Fate:</b>	No data available

**Section 13—DISPOSAL CONSIDERATIONS**

Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

Section 14—TRANSPORTATION INFORMATION	
U.S. Proper Shipping Name:	N/A
DOT (Domestic Surface) Hazard Class or Division:	N/A
IMO / IMDG (Ocean) Hazard Class Division Number:	N/A
ICAO / IATA (Air) Hazard Class Division Number:	N/A

Section 15—REGULATORY INFORMATION	
SARA Title III Section 302 Extremely Hazardous Substances:	None
SARA Title III Section 311/312 Hazard Categories:	N/A
SARA Title III Section 313 Toxic Chemicals:	Zinc <1.0
OSHA Status:	Not regulated
TSCA Status:	Chemical components listed on TSCA inventory
CERCLA Reportable Quantity:	N/A

Section 16—OTHER INFORMATION			
N/A	Not Applicable	N/E	Not Established
N/D	Not Determined		

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