

# Material Safety Data Sheet

# MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
<b>Product Brand:</b> Bar's Leaks®	<b>Product Part #:</b> 1311
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	<b>Product Name:</b> Cooling System Lube and Anti-Rust
	<b>24-Hour Emergency CHEMTEL INC.</b> U.S. & Canada 1-800-255-3924 International 813-248-0585
	<b>Information:</b> 1-248-634-8278 / www.barsleaks.com
	<b>Date Prepared:</b> 09-02-05

Section 2—COMPOSITION / INFORMATION ON INGREDIENTS					
Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS NUMBER	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Deionized water	7732-16-5				70-80
Mineral oil	64743-52-5	5mg/M3	5mg/M3	N/A	10-15
Triethanolamine	120-71-6	N/E	5mg/M3	N/A	<2
Sulfonic acids, Sodium salts	68608-26-4				<5
Tall oil fatty acids	61790-12-3				<5
Hexylene glycol	107-41-5				<2
Nonionic surfactant	9036-19-5				<1

*All other components are considered to be non-hazardous as per OSHA 29 CFR 1910.1200.*

Section 3—HAZARDS IDENTIFICATION					
<b>Potential Health Effects:</b>	<b>EYE -</b>	Irritation, redness.			
	<b>SKIN -</b>	May be slightly to moderately irritating to the skin.			
	<b>INHALATION -</b>	None likely under normal use.			
	<b>INGESTION -</b>	Gastrointestinal distress and nausea.			
<b>Acute Health Hazards:</b>	No data available				
<b>Chronic Health Hazards:</b>	No data available				
<b>Medical Conditions Aggravated by Exposure:</b>	No data available				
<b>Target Organ Effects:</b>	No data available.				
<b>Carcinogenicity:</b>	<b>OSHA</b>	No	<b>IARC</b>	No	<b>NTP</b> No

Section 4—FIRST AID MEASURES	
<b>Eye:</b>	Flush with clear water for 15 minutes.
<b>Skin Contact:</b>	Wash thoroughly with mild soap and water. Contact a physician if irritation persists.
<b>Inhalation:</b>	Immediately remove victim to fresh air. If breathing is difficult call a physician.
<b>Ingestion:</b>	Has a laxative effect resulting in rapid elimination. Do not induce vomiting. Consultation with a physician is recommended.
<b>Note To Physician:</b>	Treat for clinical symptoms.

Section 5—FIRE FIGHTING MEASURES	
<b>Flash Point (Method Used):</b>	N/A This product contains more than 70% water.
<b>Flammable Limits</b>	<b>LEL</b> (lower explosion limit): N/A <b>UEL</b> (upper explosion limit): N/A
<b>Extinguishing Media:</b>	Use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water spray to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures. Minimize breathing gasses, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces, or as otherwise needed.
<b>Special Fire Fighting Procedures:</b>	Self contained breathing equipment and chemical resistant clothing recommended.

<b>Unusual Fire and Explosion Hazards:</b>	Extreme heat may cause sealed containers to rupture. Cool fire exposed containers with water spray.							
<b>NFPA National Fire Protection Agency:</b>	Health	1	Flammability	0	Reactivity	1		
<b>HMIS Hazardous Material Identification:</b>	Health	1	Flammability	0	Reactivity	1	PPE	B

<b>Section 6—ACCIDENTAL RELEASE MEASURES</b>	
<b>Spill or Leak Procedures:</b>	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.

<b>Section 7—HANDLING AND STORAGE</b>			
<b>Storage Temperature (MIN/MAX):</b>	N/E	<b>Shelf Life:</b>	N/E
<b>Handling/Storage Precautions:</b>	Keep out of eyes. Do not reuse the container. Do not store sealed container near extreme heat. Do not store or mix with strong acids or oxidizers. Avoid exposing product to freezing temperatures.		

<b>Section 8—EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Engineering Controls:</b>	N/A
<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.

<b>Section 9—PHYSICAL / CHEMICAL PROPERTIES</b>			
<b>Physical State:</b>	Liquid	<b>Freezing Point:</b>	20°F
<b>Appearance:</b>	Milky Liquid	<b>Melting Point:</b>	N/A
<b>Odor:</b>	Slight Petroleum Odor	<b>Boiling Point °F (°C):</b>	>212° F / >100°C
<b>Solubility in Water:</b>	Complete	<b>Evaporation Rate:</b>	<<1
<b>Specific Gravity (H<sup>2</sup>O = 1):</b>	1.03 @ 60°F	<b>Vapor Density (AIR = 1):</b>	Not determined
<b>pH:</b>	9.5	<b>Vapor Pressure (mm Hg):</b>	<<1
<b>Percent Volatiles (VOC):</b>	0%		

<b>Section 10—STABILITY AND REACTIVITY</b>	
<b>Chemical Stability:</b>	Stable
<b>Incompatibility:</b>	None known
<b>Hazardous Decomposition Products:</b>	Thermal decomposition will cause the formation of oxides of carbon and nitrogen..
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	Not applicable.

<b>Section 11—TOXICOLOGICAL INFORMATION</b>	
Long-term toxicological studies have not been conducted fro this product.	

<b>Section 12—ECOLOGICAL INFORMATION</b>	
<b>Ecotoxicological Information:</b>	No data available
<b>Environmental Fate:</b>	No data available

<b>Section 13—DISPOSAL CONSIDERATIONS</b>	
In accordance with local, state and federal laws.	

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

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

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

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