

Material Safety Data Sheet

MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
Product Brand: Bar's Leaks®	Product Part #: 1311
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	Product Name: Cooling System Lube and Anti-Rust
	24-Hour Emergency (CHEMTREC) : 1-800-424-9300
	Information: 1-248-634-8278 / www.barsleaks.com
	Date Prepared: 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							
Potential Health Effects:	<p>EYE - Irritation, redness.</p> <p>SKIN - May be slightly too moderately irritating to the skin.</p> <p>INHALATION - None likely under normal use.</p> <p>INGESTION - Gastrointestinal distress and nausea.</p>						
Acute Health Hazards:	No data available						
Chronic Health Hazards:	No data available						
Medical Conditions Aggravated by Exposure:	No data available						
Target Organ Effects:	No data available.						
Carcinogenicity:	<table border="0"> <tr> <td>OSHA</td> <td>No</td> <td>IARC</td> <td>No</td> <td>NTP</td> <td>No</td> </tr> </table>	OSHA	No	IARC	No	NTP	No
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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:	Immediately remove victim to fresh air. If breathing is difficult call a physician.
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):	N/A This product contains more than 70% water.				
Flammable Limits	<table border="0"> <tr> <td>LEL (lower explosion limit):</td> <td>N/A</td> </tr> <tr> <td>UEL (upper explosion limit):</td> <td>N/A</td> </tr> </table>	LEL (lower explosion limit):	N/A	UEL (upper explosion limit):	N/A
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UEL (upper explosion limit):	N/A				
Extinguishing Media:	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.				
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 spray.							
NFPA National Fire Protection Agency:	Health	1	Flammability	0	Reactivity	1		
HMIS Hazardous Material Identification:	Health	1	Flammability	0	Reactivity	1	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			
Storage Temperature (MIN/MAX):	N/E	Shelf Life:	N/E
Handling/Storage Precautions:	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.		

Section 8—EXPOSURE CONTROLS/PERSONAL PROTECTION	
Engineering Controls:	N/A
Respiratory Protection:	Generally not needed.
Skin Protection:	Use chemical resistant gloves to avoid prolonged or repeated skin contact.
Eye Protection:	Use safety glasses.

Section 9—PHYSICAL / CHEMICAL PROPERTIES			
Physical State:	Liquid	Freezing Point:	20°F
Appearance:	Milky Liquid	Melting Point:	N/A
Odor:	Slight Petroleum Odor	Boiling Point °F (°C):	>212° F / >100°C
Solubility in Water:	Complete	Evaporation Rate:	<<1
Specific Gravity (H²O = 1):	1.03 @ 60°F	Vapor Density (AIR = 1):	Not determined
pH:	9.5	Vapor Pressure (mm Hg):	<<1
Percent Volatiles (VOC):	0%		

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

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

Section 12—ECOLOGICAL INFORMATION	
Ecotoxicological Information:	No data available
Environmental Fate:	No data available

Section 13—DISPOSAL CONSIDERATIONS	
In accordance with local, state and federal laws.	

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:	None
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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