

Material Safety Data Sheet

MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
Product Brand: Bar's Leaks®	Product Part #: C16/R6
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	Product Name: Radiator Stop Leak and Conditioner
	24-Hour Emergency (CHEMTREC) : 1-800-424-9300
	Information: 1-248-634-8278 / www.barsleaks.com
	Date Prepared: 5/6/2007

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				65.0 - 75.0
Organic Material	N/A				20.0 - 25.0
Soda Ash	497-19-8				< 2.0
Ethylene Glycol	107-21-1	50 PPM	50 PPM		5.0 - 10.0
Potassium Hydroxide	1310-58-3		2 mg/m ³		< 1.0
1-(3-chloroallyl)-3,5,7-Triaza-1-Azoniaadamantane-Chloride	4080-31-3				<< 1.0
Hexamethylenetetramine	100-97-0				<< 1.0
1,3-Dichloropropene	542-75-6		1 PPM		<< 1.0
Dichloromethane	75-09-2	25 PPM	50 PPM	TWA Skin	<< 1.0
Sodium Bicarbonate	144-55-8		TWA	TWA BEI	<< 1.0

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

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

Section 4—FIRST AID MEASURES	
Eye:	Flush for 15 minutes. Get medical attention.
Skin Contact:	Wash with soap and water.
Inhalation:	Remove to fresh air immediately. Get medical attention if symptoms occur.
Ingestion:	Do not induce vomiting. Aspiration of material into the lungs during vomiting may cause chemical pneumonia. If conscious, give large quantities of water. Consult a doctor immediately.
Note To Physician:	Treat for clinical symptoms.

Section 5—FIRE FIGHTING MEASURES									
Flash Point (Method Used):		N/A							
Flammable Limits	LEL (lower explosion limit):	N/A							
	UEL (upper explosion limit):	N/A							
Extinguishing Media:		Use water, foam, or multipurpose dry chemical.							
Special Fire Fighting Procedures:		Wear self contained breathing apparatus to protect against oxygen deficiency and toxic gases that may form as the material burns. Impervious clothing should be worn by firefighters.							
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:	Contain spill. Collect and return large amounts to shipping container. Rinse spill area with water. Keep product out of sewers and watercourses. Advise authorities if product has entered sewers, watercourses or extensive land area.

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 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:	10°
Appearance:	Brown Liquid	Melting Point:	N/A
Odor:	Characteristic Odor	Boiling Point °F (°C):	212° F
Solubility in Water:	Dispersible	Evaporation Rate:	<<1
Specific Gravity (H²O = 1):	1.06	Vapor Density (AIR = 1):	Not determined
pH:	10.5	Vapor Pressure (mm Hg):	<<1
Percent Volatiles (VOC):	< 1.0		

Section 10—STABILITY AND REACTIVITY	
Chemical Stability:	Stable
Incompatibility:	None known
Hazardous Decomposition Products:	Thermal decomposition will cause the formation of oxides and 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:	Ethylene Glycol Acute Hazard / Chronic Hazard Subject To Tier 1 & II Annual Inventory Reporting
SARA Title III Section 313 Toxic Chemicals:	Ethylene Glycol Is Subject To Form R Reporting Requirements
OSHA Status:	Eye & Skin Irritant
TSCA Status:	Chemical components listed on TSCA inventory
CERCLA Reportable Quantity:	Ethylene Glycol 5000 Lbs. / 532 Gallons Potassium Hydroxide 1000 Lbs. / 83 Gallons

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

Last Page