

# Material Safety Data Sheet

# MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
<b>Product Brand:</b> Bar's Leaks® Professional	<b>Product Part #:</b> HG-3 Step 1
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	<b>Product Name:</b> Cooling System Prep & Cleaner
	<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.BarsLeaksDIFM.com
	<b>Date Prepared:</b> April 10, 2008

Section 2—COMPOSITION / INFORMATION ON INGREDIENTS					
Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS NUMBER	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Ethylene Glycol Monobutyl Ether**(Butoxyethanol)	111-76-2	100 ppm	100 ppm	N/E	2-4%
**not reportable under SARA 313 < 5% by weight					
<i>All other components are considered to be non-hazardous as per OSHA 29 CFR 1910.1200.</i>					

Section 3—HAZARDS IDENTIFICATION						
<b>Potential Health Effects:</b>	<b>EYE -</b>	Irritation, redness.				
	<b>SKIN -</b>	Irritation, redness.				
	<b>INHALATION -</b>	Vapors may irritate nose, throat, respiratory tract				
	<b>INGESTION -</b>	Nausea, vomiting, dizziness, headache, blurred vision				
<b>Acute Health Hazards:</b>	Irritation of eyes.					
<b>Chronic Health Hazards:</b>	None expected on industrial level.					
<b>Medical Conditions Aggravated by Exposure:</b>	Pre-existing skin conditions					
<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 large amounts of water for 15 minutes.
<b>Skin Contact:</b>	Wash with water.
<b>Inhalation:</b>	Remove victim to fresh air.
<b>Ingestion:</b>	<b>Do not</b> induce vomiting. Give several glasses of water. Get medical attention.
<b>Note To Physician:</b>	Treat for clinical symptoms.

Section 5—FIRE FIGHTING MEASURES						
<b>Flash Point (Method Used):</b>	None (TAG closed cup/ASTM D-56)					
<b>Flammable Limits</b>	<b>LEL</b> (lower explosion limit):	None				
	<b>UEL</b> (upper explosion limit):	None				
<b>Extinguishing Media:</b>	Non-combustible					
<b>Special Fire Fighting Procedures:</b>	Always use self contained breathing apparatus.					
<b>Unusual Fire and Explosion Hazards:</b>	None					
<b>NFPA National Fire Protection Agency:</b>	Health 1	Flammability 0	Reactivity 0			
<b>HMS Hazardous Material Identification:</b>	Health 1	Flammability 0	Reactivity 0	PPE	B	

Section 6—ACCIDENTAL RELEASE MEASURES	
<b>Spill or Leak Procedures:</b>	Dike or pillow area to contain spill. Dispose of in accordance with State and Local laws.

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 oxidizers. Avoid exposing product to freezing temperatures.

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

<b>Engineering Controls:</b>	Use adequate mechanical ventilation.
<b>Respiratory Protection:</b>	None required.
<b>Skin Protection:</b>	Wear impervious gloves, long sleeved shirt and pants.
<b>Eye Protection:</b>	Safety glasses.

#### Section 9—PHYSICAL / CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Freezing Point:</b>	N/D
<b>Appearance:</b>	Purple Liquid With Some Settling	<b>Melting Point:</b>	N/A
<b>Odor:</b>	Mild odor	<b>Boiling Point °F (°C):</b>	219°F (104° C)
<b>Solubility in Water:</b>	Complete	<b>Evaporation Rate:</b>	< 1
<b>Specific Gravity (H<sup>2</sup>O = 1):</b>	1.01 – 1.03 @ 25°C	<b>Vapor Density (AIR = 1):</b>	N/D
<b>pH:</b>	10 – 11	<b>Vapor Pressure (mm Hg):</b>	N/D
<b>Percent Volatiles (VOC):</b>	<1		

#### Section 10—STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable
<b>Incompatibility:</b>	None known
<b>Hazardous Decomposition Products:</b>	None
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Strong acids and bases, reducing agents.

#### 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

<b>U.S. Proper Shipping Name:</b>	N/A
<b>DOT (Domestic Surface) Hazard Class or Division:</b>	Non Hazardous
<b>IMO / IMDG (Ocean) Hazard Class Division Number:</b>	Not Regulated
<b>ICAO / IATA (Air) Hazard Class Division Number:</b>	Not Regulated

#### Section 15—REGULATORY INFORMATION

<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>	N/A
<b>OSHA Status:</b>	Not Regulated
<b>TSCA Status:</b>	Chemical components listed on TSCA inventory.
<b>CERCLA Reportable Quantity:</b>	N/A

#### Section 16—OTHER INFORMATION

Data supplied is for the use only in connection with occupational, safety and health. While the information and recommendations sent forth herein are believed to be accurate as of the date thereof, Bar's Products makes no warranty with respect thereto and disclaims all liability from reliance therein.

N/A	Not Applicable	N/E	Not Established
N/D	Not Determined		

