

Material Safety Data Sheet

MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
Product Brand: Bar's Leaks®	Product Part #: 1211
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	Product Name: Cooling System 10-Minute Flush
	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 fluids	7732-18-5				>75
Testrasodium salt of EDTA	13235-36-4				<1
Silicic Acid, Disodium salt	6834-92-0				<5
Tertapotassium Pyrophosphate	7320-34-5				<10
Nonionic Surfactant	68412-54-4				<4
Disodium Hexadecylphenyloxide Disulfonate	65143-89-7				<5

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.				
	SKIN -	May be slightly too moderately irritating to the skin.				
	INHALATION -	None likely under normal use.				
	INGESTION -	Gastrointestinal distress and nausea.				
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:	OSHA	No	IARC	No	NTP	No

Section 4—FIRST AID MEASURES	
Eye:	Immediately flush with water for 15-minutes, removing contacts to assure complete flushing or until irritation subsides. If irritation persists, call a physician.
Skin Contact:	Flush with large quantities of water for 15 minutes.
Inhalation:	Immediately remove victim to fresh air. If breathing is difficult call a physician.
Ingestion:	Do not induce vomiting. Contact a physician immediately. If conscious, have victim rinse mouth thoroughly and drink large quantity of water. Never give anything by mouth to an unconscious person.
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:	This product will not burn.					
Special Fire Fighting Procedures:	None					
Unusual Fire and Explosion Hazards:	None					
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: Cool dry area.

Section 8—EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: N/A

Respiratory Protection: When appropriate use Self Contained Breathing Apparatus.

Skin Protection: Wear rubber gloves.

Eye Protection: Use safety glasses.

Section 9—PHYSICAL / CHEMICAL PROPERTIES

Physical State:	Liquid	Freezing Point:	>32°F
Appearance:	Clear Liquid	Melting Point:	N/A
Odor:	N/A	Boiling Point °F (°C):	>212° F / >100°C
Solubility in Water:	Complete	Evaporation Rate:	1
Specific Gravity (H²O = 1):	1.05	Vapor Density (AIR = 1):	>1
pH:	12.0 – 12.5 @ 5%	Vapor Pressure (mm Hg):	17.53
Percent Volatiles (VOC):	0%		

Section 10—STABILITY AND REACTIVITY

Chemical Stability: Stable

Incompatibility: Strong Oxidizers (i.e. aluminum powder, ammonia, and acids)

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Conditions to Avoid: Not applicable.

Section 11—TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for 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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