

# Material Safety Data Sheet

# MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
<b>Product Brand:</b> Bar's Leaks®	<b>Product Part #:</b> PLT11
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	<b>Product Name:</b> Pelletized Radiator Stop Leak
	<b>24-Hour Emergency (CHEMTREC)</b> 1-800-424-9300
	<b>Information:</b> 1-248-634-8278 / www.barsleaks.com
	<b>Date Prepared:</b> 7-25-09

Section 2—COMPOSITION / INFORMATION ON INGREDIENTS					
Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS NUMBER	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Mineral Oil	64742-52-5	5 mg/M3	5 mg/M3	N/A	58-60
Triethanolamine	120-71-6	N/E	5 mg/M3	N/A	1-2
Sulfonic acid, Sodium salts	68608-26-4				3-4
Tall oil fatty acids	61790-12-3				3-4
Hexylene glycol	107-41-5				1-2
Noionic surfactant	9036-19-5				<1
Turmeric	458-37-7				4-6
Soda Ash	497-19-8			N/A	1-2
Ginger Rhizomes	N/A				20-25
Almond Shell	N/A				2-3
Carbowax (Polyethylene Glycol Powder)	25322-68-3				<1
Hazardous Components					
Particulates not otherwise regulated			15 mg/M3 (Total Dust)		
			5mg/M3 (respirable Dust)		
<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, pain and blurred vision. <b>SKIN -</b> May be slightly too 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>	Irritation and minor gastrointestinal irritation.
<b>Chronic Health Hazards:</b>	Not determined.
<b>Medical Conditions Aggravated by Exposure:</b>	Not determined.
<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 for 15 minutes. Get medical attention.
<b>Skin Contact:</b>	Wash with soap and water.
<b>Inhalation:</b>	Remove to fresh air immediately. Get medical attention if symptoms occur.
<b>Ingestion:</b>	Has 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>		>280°F (ASTM D92)							
<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>		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.							
<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	1	Reactivity	0		
<b>HMIS Hazardous Material Identification:</b>		Health	1	Flammability	0	Reactivity	0	PPE	B

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

Section 9—PHYSICAL / CHEMICAL PROPERTIES			
<b>Physical State:</b>	Liquid	<b>Freezing Point:</b>	>10°F
<b>Appearance:</b>	Dark Oil	<b>Melting Point:</b>	N/A
<b>Odor:</b>	Petroleum Odor	<b>Boiling Point °F (°C):</b>	>280° F
<b>Solubility in Water:</b>	Emulsifiable	<b>Evaporation Rate:</b>	<<1
<b>Specific Gravity (H<sup>2</sup>O = 1):</b>	0.96 @ 60° F	<b>Vapor Density (AIR = 1):</b>	Not determined
<b>pH:</b>	N/A	<b>Vapor Pressure (mm Hg):</b>	<<1
<b>Percent Volatiles (VOC):</b>	0%		

Section 10—STABILITY AND REACTIVITY	
<b>Chemical Stability:</b>	Stable
<b>Incompatibility:</b>	Strong Oxidizers (i.e. aluminum powder, ammonia, and acids)
<b>Hazardous Decomposition Products:</b>	Thermal decomposition will cause the formation of oxides and carbon and nitrogen.
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	Not applicable.

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**

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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