

Material Safety Data Sheet

MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
Product Brand: Bar's Leaks®	Product Part #: P30L
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	Product Name: Power Steering Stop Leak
	24-Hour Emergency CHEMTEL INC. U.S. & Canada 1-800-255-3924 International 813-248-0585
	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)
Severely hydrotreated heavy base oil	64742-52-5	500 ppm	100 ppm		
Severely hydrotreated light base oil	64742-53-6	500 ppm	100 ppm		
Tricresyl phosphate	68952-35-2	NE	NE		
Alkenyl carboxylic acid	Trade Secret 1	NE	NE		
Heterocyclic Ether	Trade Secret 2	NE	NE		
N. Phenylbenzamine	68411-46-1	NA	NA		
Diphenlamine	122-39-4	NA	NA		

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, stinging.</p> <p>SKIN - Dryness, irritation, redness.</p> <p>INHALATION - Vapors may irritate nose, throat, and respiratory tract.</p> <p>INGESTION - Nausea, vomiting, dizziness, headache, blurred vision.</p>						
Acute Health Hazards:	Mild eye irritation, prolong or repeated exposure may cause moderate corneal injury and effect may be slow to heal. Exposure may cause skin irritation. Prolonged or repeated exposure may cause drying, redness and cracking of the skin. Skin absorptions possible but harmful effects are not expected from this route of exposure under normal conditions of handling and use. Short-term toxicity from inhalation of mists and vapors is low. Breathing small amounts during normal handling is not likely to cause harmful effects breathing large amounts may be harmful to note, throat and /or respiratory tract Harmful or fatal if swallowed. Pulmonary aspiration hazard if swallowed and/or vomiting occurs—can enter lungs and cause damage.						
Chronic Health Hazards:	None expected at the industrial level.						
Medical Conditions Aggravated by Exposure:	Disorders or disease of the skin, or respiratory system.						
Target Organ Effects:	No data available.						
Carcinogenicity:	<table> <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:	If symptoms develop, move individual away from exposure and into fresh air. Flush eyelids with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, get medical attention.
Skin Contact:	Wash with soap and water and then flush with water until all chemical is removed. Remove contaminated clothing promptly and wash before reuse. If irritation persists get medical attention.
Inhalation:	Remove to fresh air. If breathing has stopped, give artificial respiration, provided a qualified individual is available. If breathing is difficult, give oxygen, provided a qualified operator is available. Get prompt medical attention.
Ingestion:	DO NOT induce vomiting. This material is an aspiration hazard. Drink large amounts of water. If vomiting occurs, give additional water. If drowsy or unconscious, place on left side with head down. Seek medical attention immediately.
Note To Physician:	Treat for clinical symptoms.

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Section 5—FIRE FIGHTING MEASURES						
Flash Point (Method Used):	>250°F					
Flammable Limits	LEL (lower explosion limit):	N/E				
	UEL (upper explosion limit):	N/E				
Extinguishing Media:	Regular foam, dry chemical, carbon dioxide.					
Special Fire Fighting Procedures:	Wear a self contained breathing apparatus with full face-piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Do not use a direct stream of water, product will float and can be re-ignited on surface of water.					
Unusual Fire and Explosion Hazards:	Keep fire or heat exposed containers cool to prevent explosion.					
NFPA National Fire Protection Agency:	Health	1	Flammability	1	Reactivity	0
HMIS Hazardous Material Identification:	Health	1	Flammability	0	Reactivity	0 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:	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	
Engineering Controls:	Mechanical to maintain exposure below TLV(s).
Respiratory Protection:	Normally not needed in well ventilated area. If workplace exposure limit(s) of product or any component is exceeded (See exposure guidelines), A NIOSH approved air supplies respirator is advised.
Skin Protection:	Rubber gloves and full work clothing to minimize exposure.
Eye Protection:	Goggles or safety glasses. Provide eye wash station and washing facilities near use or handling facilities.

Section 9—PHYSICAL / CHEMICAL PROPERTIES			
Physical State:	Liquid	Freezing Point:	N/D
Appearance:	Amber liquid, slight hydrocarbon	Melting Point:	N/A
Odor:	Slight hydrocarbon odor	Boiling Point °F (°C):	>480 degrees F
Solubility in Water:	Negligible	Evaporation Rate:	<1
Specific Gravity (H²O = 1):	.872 @ 20°C	Vapor Density (AIR = 1):	>1
pH:	N/A	Vapor Pressure (mm Hg):	N/D
Percent Volatiles (VOC):	0%		

Section 10—STABILITY AND REACTIVITY	
Chemical Stability:	Stable
Incompatibility:	Oxidizing materials
Hazardous Decomposition Products:	Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulates and gases will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide, heat. Other unidentified organic compounds may be formed during combustion.
Hazardous Polymerization:	Will not occur

Conditions to Avoid: Contact with open flame, heat other

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
Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

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