

Material Safety Data Sheet

MSDS

Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION	
Product Brand: Bar's Leaks® Professional	Product Part #: HG-3
Bar's Products 720 West Rose Street P.O. Box 187 Holly, Michigan 48442	Product Name: Head Gasket Repair Kit
	24-Hour Emergency CHEMTEL INC. U.S. & Canada 1-800-255-3924 International 813-248-0585
	Information: 1-248-634-8278 / www.BarsLeaksDIFM.com
	Date Prepared: 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)
STEP 1 - Ethylene Glycol Monobutyl Ether**(Butoxyethanol) **not reportable under SARA 313 < 5% by weight	111-76-2	100 ppm	100 ppm	N/E	2-4%
STEP 2 - Sodium Silicate (Liquid Glass)	1344-09-8	2 mg/m ³	N/A	N/E	
Graphite	7782-42-5	5 mg/m ³	2mg/m ³		
STEP 3 - Sodium Silicate (Liquid Glass)	1344-09-8	2 mg/m ³	N/E	N/E	
<i>All other components are considered to be non-hazardous as per OSHA 29 CFR 1910.1200.</i>					

Section 3—HAZARDS IDENTIFICATION						
Potential Health Effects:	EYE -	Irritation, redness, burning.				
	SKIN -	Irritation, redness.				
	INHALATION -	Vapors may irritate nose, throat, respiratory tract				
	INGESTION -	Nausea, vomiting, dizziness, headache, blurred vision				
Acute Health Hazards:	Irritation of eyes.					
Chronic Health Hazards:	None expected on industrial level.					
Medical Conditions Aggravated by Exposure:	Pre-existing skin conditions					
Target Organ Effects:	No Data Available					
Carcinogenicity:	OSHA	No	IARC	No	NTP	No

Section 4—FIRST AID MEASURES	
Eye:	Flush with large amounts of water for 15 minutes.
Skin Contact:	Wash with water.
Inhalation:	Remove victim to fresh air.
Ingestion:	Do not induce vomiting. Give several glasses of water. Get medical attention.
Note To Physician:	Treat for clinical symptoms.

Section 5—FIRE FIGHTING MEASURES						
Flash Point (Method Used):	None (TAG closed cup/ASTM D-56)					
Flammable Limits	LEL (lower explosion limit):	None				
	UEL (upper explosion limit):	None				
Extinguishing Media:	Non-combustible					
Special Fire Fighting Procedures:	Always use self contained breathing apparatus.					
Unusual Fire and Explosion Hazards:	None					
NFPA National Fire Protection Agency:	Health	1	Flammability	0	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 to contain spill. Dispose of in accordance with State and Local laws.

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:	Use adequate mechanical ventilation.
Respiratory Protection:	None required.
Skin Protection:	Wear impervious gloves, long sleeved shirt and pants.
Eye Protection:	Safety glasses.

Section 9—PHYSICAL / CHEMICAL PROPERTIES			
Physical State:	Liquid	Freezing Point:	N/D
Appearance:	Step 1 - Purple Liquid With Some Settling Step 2 – Dark Grey with metallic flakes suspended. Step 3 – White with fibers suspended in an opaque liquid.	Melting Point:	N/A
Odor:	Mild odor	Boiling Point °F (°C):	219°F (104° C)
Solubility in Water:	Step 1 - Complete Step 2 – 96% Step 3 – 96%	Evaporation Rate:	Step 1 - < 1 Step 2 - Not Available Step 3 - Not Available
Specific Gravity (H ² O = 1):	Step 1 - 1.01 to 1.03 @ 25°C Step 2 – 1.10 @ 25°C Step 3 – 1.01 @ 25°C	Vapor Density (AIR = 1):	N/D
pH:	Step 1 - 10 to 11 Step 2 – 10.5 to 12.0 Step 3 – 10.5 to 12.1	Vapor Pressure (mm Hg):	N/D
Percent Volatiles (VOC):	<1		

Section 10—STABILITY AND REACTIVITY	
Chemical Stability:	Stable
Incompatibility:	None known
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	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	
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:	Non Hazardous
IMO / IMDG (Ocean) Hazard Class Division Number:	Not Regulated
ICAO / IATA (Air) Hazard Class Division Number:	Not Regulated

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

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