# Material Safety Data Sheet

# MSDS

| Section 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION | | | |
|---|---|---|---|
| **Product Brand:** | Bar's Leaks® | **Product Part #:** | 1111 |
| Bar's Products<br>10386 North Holly Road<br>P.O. Box 187<br>Holly, Michigan 48442 | | **Product Name:** | Head Gasket Fix |
| | | **24-Hour Emergency**<br>**CHEMTEL INC.** | U.S. & Canada 1-800-255-3924<br>International 813-248-0585 |
| | | **Information:** | 1-810-603-1321/<br>www.barsleaks.com |
| | | **Date Prepared:** | 08-03-10 |

| Section 2—COMPOSITION / INFORMATION ON INGREDIENTS | | | | | |
|---|---|---|---|---|---|
| **Hazardous Components (Specific Chemical Identity, Common Name(s))** | **CAS NUMBER** | **OSHA PEL** | **ACGIH TLV** | **Other Limits** | **%** (optional) |
| Sodium Silicate (Liquid Glass) | 1344-09-8 | 2 mg/m³ | N/A | N/E | |
| *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, burning | | | | |
| | **SKIN -** | Irritation, redness | | | | |
| | **INHALATION -** | Irritation | | | | |
| | **INGESTION -** | Irritation, nausea, cramps, vomiting | | | | |
| **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 clear water for 15 minutes. |
| **Skin Contact:** | Wash with soap and water. |
| **Inhalation:** | Remove to fresh air. If symptoms persist, seek medical attention. |
| **Ingestion:** | DO NOT induce vomiting. If conscious, give several glasses of water. Call physician. |
| **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 | |
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| **Spill or Leak Procedures:** | Contain spill. Collect and return large amounts to shipping container. Rinse spill area with water. Keep product out of the sewers and watercourses. If runoff occurs, notify authorities as required. |

| 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:** | Use NIOSH/MSHA approved respirators above exposure limits. |
| **Skin Protection:** | Wear impervious gloves, long sleeved shirt and pants. |
| **Eye Protection:** | Use chemical goggles or a face shield. |

| Section 9—PHYSICAL / CHEMICAL PROPERTIES | | | |
|---|---|---|---|
| **Physical State:** | Liquid | **Freezing Point:** | N/D |
| **Appearance:** | Red-Brown with metallic flakes | **Melting Point:** | N/A |
| **Odor:** | Mild odor | **Boiling Point °F (°C):** | 219°F (104° C) |
| **Solubility in Water:** | 96% | **Evaporation Rate:** | Not Available |
| **Specific Gravity** ($H^2 0$ = 1): | 1.14 | **Vapor Density** (AIR = 1): | ND |
| **pH:** | 10 – 11 | **Vapor Pressure** (mm Hg): | <<1 |
| **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 |

| Section 11—TOXICOLOGICAL INFORMATION |
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| Long-term toxicological studies have not been conducted for this product. |

| Section 12—ECOLOGICAL INFORMATION | |
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| **Ecotoxicological Information:** | No Data Available |
| **Environmental Fate:** | No Data Available |

| Section 13—DISPOSAL CONSIDERATIONS |
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| Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations. |

| Section 14—TRANSPORTATION INFORMATION | |
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| **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:** | None |
| **OSHA Status:** | Not Regulated |
| **TSCA Status:** | Chemical components listed on TSCA inventory. |
| **CERCLA Reportable Quantity:** | N/A |

| Section 16—OTHER INFORMATION | | | |
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| 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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