1 Identification

- Product identifier
  - Trade name: Bar's Leaks® Engine Oil Stop Leak Concentrate
  - Product code: 1010

- Recommended use and restriction on use
  - Recommended use: Sealant
  - Restrictions on use: No relevant information available.

- Details of the supplier of the Safety Data Sheet
  - Manufacturer/Supplier:
    Bar's Products
    P.O. Box 187
    Holly, MI 48442 USA
    Phone: (810) 603-1321

- Emergency telephone number:
  - ChemTel Inc.
  - +1 (800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- Classification of the substance or mixture
  - The product is not classified as hazardous according to the Globally Harmonized System (GHS).

- Label elements
  - GHS label elements
    - The product is not classified as hazardous according to OSHA GHS regulations within the United States.
  - Hazard pictograms: Not regulated.
  - Signal word: Not regulated.

- Hazard-determining components of labeling: Not applicable.

- Hazard statements: Not regulated.

- Precautionary statements: Not regulated.

- Classification system
  - NFPA ratings (scale 0 - 4)
    - Health = 0
    - Fire = 1
    - Reactivity = 0

  - HMIS-ratings (scale 0 - 4)
    - Health = 0
    - Fire = 1
    - Reactivity = 0

  - Indicates a long term health hazard from repeated or prolonged exposures.

- Other hazards
  - There are no other hazards not otherwise classified that have been identified.

(Cont'd. on page 2)
3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Components: None in reportable quantities.
- Additional information:
  Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 ‘Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method’, Institute of Petroleum, London. This product meets these requirements.

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact:
    Clean with water and soap.
    If skin irritation is experienced, consult a doctor.
  - After eye contact:
    Remove contact lenses if worn.
    Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing:
    Rinse out mouth and then drink plenty of water.
    Do not induce vomiting; immediately call for medical help.
- Most important symptoms and effects, both acute and delayed:
  Slight irritant effect on eyes.
  Nausea in case of ingestion.
  Gastric or intestinal disorders when ingested.
- Indication of any immediate medical attention and special treatment needed:
  No relevant information available.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    Foam
    Gaseous extinguishing agents
    Fire-extinguishing powder
    Carbon dioxide
  - For safety reasons unsuitable extinguishing agents: Water
- Special hazards arising from the substance or mixture
  Formation of toxic gases is possible during heating or in case of fire.
- Advice for firefighters
  - Protective equipment:
    Wear self-contained respiratory protective device.
Trade name: Bar's Leaks® Engine Oil Stop Leak Concentrate

(Cont’d. of page 2)

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures:
  Ensure adequate ventilation.
  Wear protective equipment. Keep unprotected persons away.
  For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
  Particular danger of slipping on leaked/spilled product.
- Environmental precautions:
  Do not allow to enter sewers/ surface or ground water.
  Inform respective authorities in case of seepage into water course or sewage system.
  Prevent from spreading (e.g. by damming-in or oil barriers).
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Remove from the water surface (e.g. skim or suck off).
  Dispose of the collected material according to regulations.
  Send for recovery or disposal in suitable receptacles.
- Reference to other sections:
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Handling
- Precautions for safe handling:
  Avoid splashes or spray in enclosed areas.
  Use only in well ventilated areas.
- Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and receptacles:
  Avoid storage near extreme heat, ignition sources or open flame.
- Information about storage in one common storage facility:
  Store away from foodstuffs.
  Store away from oxidizing agents.
- Further information about storage conditions:
  Store in cool, dry conditions in well sealed receptacles.
  Keep containers tightly sealed.
- Specific end use(s): No relevant information available.

(Cont’d. on page 4)
### 8 Exposure controls/personal protection

- **Control parameters**
  - Components with limit values that require monitoring at the workplace:
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Exposure controls**
  - Personal protective equipment:
    - General protective and hygienic measures:
      The usual precautionary measures for handling chemicals should be followed.
      Keep away from foodstuffs, beverages and feed.
      Wash hands before breaks and at the end of work.
      Do not inhale gases / fumes / aerosols.
      Avoid contact with the eyes.
      Avoid close or long term contact with the skin.
  - Engineering controls: No relevant information available.
  - Breathing equipment:
    Not required under normal conditions of use.
    Use suitable respiratory protective device when aerosol or mist is formed.
    For spills, respiratory protection may be advisable.

- **Protection of hands:**
  - Protective gloves
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**
  - Safety glasses

- **Body protection:**
  - Not required under normal conditions of use.
  - Protection may be required for spills.

- **Limitation and supervision of exposure into the environment**
  No special requirements.

- **Risk management measures**
  No special requirements.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - Appearance:
    - Form: Liquid
    - Color: Amber colored
    - Odor: Petroleum-like
    - Odor threshold: Not determined.
  - pH-value: Not determined.
### Trade name: Bar's Leaks® Engine Oil Stop Leak Concentrate

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Flash point</td>
<td>224 °C (435 °F)</td>
</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto igniting</td>
<td>Product is not self-igniting.</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Explosion limits</td>
<td></td>
</tr>
<tr>
<td>Lower:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Density at 20 °C (68 °F)</td>
<td>0.893 g/cm³ (7.452 lbs/gal)</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Solubility in/Miscibility with Water</td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Dynamic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic at 40 °C (104 °F)</td>
<td>56.3 mm²/s</td>
</tr>
<tr>
<td>Other information</td>
<td>No relevant information available.</td>
</tr>
</tbody>
</table>

### 10 Stability and reactivity

- **Reactivity**: No relevant information available.
- **Chemical stability**: Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided**: No decomposition if used and stored according to specifications. To avoid thermal decomposition, do not overheat.
- **Possibility of hazardous reactions**: Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidizing agents.
- **Conditions to avoid**: Excessive heat.
- **Incompatible materials**: Oxidizers
- **Hazardous decomposition products**: Carbon monoxide and carbon dioxide
## 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - LD/LC50 values that are relevant for classification: None.
  - **Primary irritant effect:**
    - On the skin: Slight irritant effect on skin and mucous membranes.
    - On the eye: Slight irritant effect on eyes.
    - Sensitization: Based on available data, the classification criteria are not met.
  - **Carcinogenic categories**
    - **IARC (International Agency for Research on Cancer):**
      - None of the ingredients are listed.
    - **NTP (National Toxicology Program):**
      - None of the ingredients are listed.
    - **OSHA-Ca (Occupational Safety & Health Administration):**
      - None of the ingredients are listed.
  - **Probable route(s) of exposure:**
    - Ingestion.
    - Eye contact.
    - Skin contact.
  - **Repeated dose toxicity:**
    - No relevant information available.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
  - **Carcinogenicity:** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity:** Based on available data, the classification criteria are not met.
  - **STOT-single exposure:** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
  - **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity** No relevant information available.
  - **Persistence and degradability** No relevant information available.
  - **Bioaccumulative potential:** No relevant information available.
  - **Mobility in soil:** No relevant information available.
  - **Ecotoxicological effects:**
    - **Remark:** Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
  - **Additional ecological information**
  - **General notes:** Avoid release to the environment.
13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    Contact waste processors for recycling information.
    Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
    The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**
  - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
  - DOT, ADR, IMDG, IATA
    Not regulated.

- **UN proper shipping name**
  - DOT, ADR, IMDG, IATA
    Not regulated.

- **Transport hazard class(es)**
  - DOT, ADR, IMDG, IATA
    Class
    Not regulated.

- **Packing group**
  - DOT, ADR, IMDG, IATA
    Not regulated.

- **Environmental hazards**
  Not applicable.

- **Special precautions for user**
  Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - United States (USA)
  - SARA

  - **Section 302 (extremely hazardous substances):**
    None of the ingredients are listed.
### Trade name: Bar's Leaks® Engine Oil Stop Leak Concentrate

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- **Section 304 (emergency release notification):**
  None of the ingredients are listed.

- **Sections 311/312 (hazardous chemical threshold planning quantity in pounds):**
  None of the ingredients are listed.

- **Section 355 (extremely hazardous substances):**
  None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**
  None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act)**
  All ingredients are listed.

- **Proposition 65 (California)**
  - **Chemicals known to cause cancer:**
    None of the ingredients are listed.

  - **Chemicals known to cause reproductive toxicity for females:**
    None of the ingredients are listed.

  - **Chemicals known to cause reproductive toxicity for males:**
    None of the ingredients are listed.

  - **Chemicals known to cause developmental toxicity:**
    None of the ingredients are listed.

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency):**
    None of the ingredients are listed.

  - **IARC (International Agency for Research on Cancer):**
    None of the ingredients are listed.

  - **NIOSH-Ca (National Institute for Occupational Safety and Health):**
    None of the ingredients are listed.

- **Canadian substance listings**
  - **Canadian Domestic Substances List (DSL):**
    All ingredients are listed.

  - **Canadian Ingredient Disclosure list (limit 0.1%):**
    None of the ingredients are listed.

  - **Canadian Ingredient Disclosure list (limit 1%):**
    None of the ingredients are listed.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 02/19/2016 / -

(Cont’d. on page 9)
Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 02/19/2016
Revision: 02/19/2016

Trade name: Bar’s Leaks® Engine Oil Stop Leak Concentrate

Abbreviations and acronyms:
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

Sources
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Safety Data Sheets, Individual Manufacturers
SDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com

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