1 Identification

- Product identifier
  - Trade name: Bar’s Leaks® Hydraulic Seal™ Hydraulic Stop Leak & Conditioner
  - Product code: H60, H60-1, H60-5, H60-55

- Recommended use and restriction on use
- Recommended use: Additive
- 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.
  (800)255-3924 (North America)
  +1 (813)248-0585 (International)

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 Not regulated.
  Hazard pictograms: Not regulated.
  Signal word: Not regulated.
  Hazard statements: Not regulated.

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

3 Composition/information on ingredients

- Chemical characterization: Mixtures

  - Components:
    128-39-2 | 2,6-di-tert-butyphenol
    🔴 Skin Irrit. 2, H315
    <1%

- 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 sulfoxide extraction refractive index method’, Institute of Petroleum, London. This product meets these requirements.
  For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.

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Safety Data Sheet
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- 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:
  Carbon dioxide
  Foam
  Gaseous extinguishing agents
  Fire-extinguishing powder
- 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.
  Wear fully protective suit.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Use personal protective equipment as required.
  Ensure adequate ventilation.
  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).
  Send for recovery or disposal in suitable receptacles.
  Dispose of the collected material according to regulations.
Trade name: Bar's Leaks® Hydraulic Seal™ Hydraulic Stop Leak & Conditioner

- 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.
    Handle with care.
    Avoid breathing mist, vapors, or spray.
    Keep out of reach of children.
  - Information about protection against explosions and fires: No special measures required.

- Conditions for safe storage, including any incompatibilities
  - Requirements to be met by storerooms and receptacles:
    Avoid storage near extreme heat, ignition sources or open flame.
    Store in cool, dry conditions in well sealed receptacles.
  - Information about storage in one common storage facility:
    Store away from foodstuffs.
    Store away from oxidizing agents.
  - Specific end use(s) No relevant information available.

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
  - 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:

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**Safety Data Sheet**  
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- **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:** Mild
    
    - **Odor threshold:** Not determined.
  
  - **pH-value:** Not determined.
  
  - **Melting point/Melting range:** Not determined.
  
  - **Boiling point/Boiling range:** Not determined.
  
  - **Flash point:** >93 °C (>199.4 °F)
  
  - **Flammability (solid, gaseous):** Not applicable.
  
  - **Auto-ignition temperature:** Not determined.
  
  - **Decomposition temperature:** Not determined.
  
  - **Danger of explosion:** Product does not present an explosion hazard.
  
  - **Explosion limits**
    
    - **Lower:** Not determined.
    
    - **Upper:** Not determined.
    
    - **Oxidizing properties:** Non-oxidizing.
  
  - **Vapor pressure:** Not determined.
  
  - **Density:**
    
    - **Relative density:** <1
    
    - **Vapor density:** Not determined.
    
    - **Evaporation rate:** Not determined.
  
  - **Solubility in / Miscibility with**
    
    - **Water:** Not miscible or difficult to mix.

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity**
  - Dynamic: Not determined.
  - Kinematic at 40 °C (104 °F): >20.5 mm²/s
- **Other information**
  - No relevant information available.

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
  - **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 and contact with oxidizers.
- **Incompatible materials**
  - Oxidizers
- **Hazardous decomposition products**
  - Carbon monoxide and carbon dioxide
  - Hydrocarbons

11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:** Based on available data, the classification criteria are not met.
  - **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:** No sensitizing effects known.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer):**
  - Present in trace quantities.

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
<td>3</td>
</tr>
<tr>
<td>108-95-2</td>
<td>Phenol</td>
<td>3</td>
</tr>
<tr>
<td>108-05-4</td>
<td>Vinyl acetate</td>
<td>2B</td>
</tr>
<tr>
<td>140-88-5</td>
<td>Ethyl acrylate</td>
<td>2B</td>
</tr>
<tr>
<td>71-43-2</td>
<td>Benzene</td>
<td>1</td>
</tr>
</tbody>
</table>
- **NTP (National Toxicology Program):**
  - 71-43-2 Benzene  K
- **OSHA-Ca (Occupational Safety & Health Administration):**

(Cont'd. on page 6)
12 Ecological information

- Toxicity
  - Aquatic toxicity
    Harmful to aquatic life with long lasting effects.

**128-39-2 2,6-di-tert-butylphenol**

| LC50  | 0.89 mg/l (Oncorhynchus mykiss) |

- Persistence and degradability: No relevant information available.
- Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.
- Ecotoxic 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.
- Other adverse effects: No relevant information available.

13 Disposal considerations

- Waste treatment methods

  **Recommendation:**
  Contact waste processors for recycling information.
  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
  - Not regulated.

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<table>
<thead>
<tr>
<th>Subject</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>DOT, ADR, IMDG, IATA: Not regulated.</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>DOT, ADR, IMDG, IATA: Not regulated.</td>
</tr>
<tr>
<td>Packing group</td>
<td>DOT, ADR, IMDG, IATA: Not regulated.</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Marine pollutant: No</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

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.
  - 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 or exempt.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
  Present in trace quantities.

<table>
<thead>
<tr>
<th>Chemical Code</th>
<th>Chemical Name</th>
<th>Concentration Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-05-4</td>
<td>vinyl acetate</td>
<td>15000</td>
</tr>
<tr>
<td>140-88-5</td>
<td>ethyl acrylate</td>
<td></td>
</tr>
<tr>
<td>71-43-2</td>
<td>benzene</td>
<td></td>
</tr>
</tbody>
</table>

- Proposition 65 (California)
  Chemicals known to cause cancer:
  Present in trace quantities.

<table>
<thead>
<tr>
<th>Chemical Code</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>140-88-5</td>
<td>ethyl acrylate</td>
</tr>
<tr>
<td>71-43-2</td>
<td>benzene</td>
</tr>
</tbody>
</table>

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

- Chemicals known to cause developmental toxicity for males:
  Present in trace quantities.
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71-43-2 benzene

- Chemicals known to cause developmental toxicity:
  Present in trace quantities.

108-88-3 Toluene
71-43-2 benzene

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

- IARC (International Agency for Research on Cancer):
  Present in trace quantities.

108-05-4 vinyl acetate
140-88-5 ethyl acrylate
71-43-2 benzene

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 August 03, 2018 / -

- 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)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bio-accumulative, Toxic
  vPvB: very Persistent and very Bioaccumulative
  OSHA: Occupational Safety & Health Administration
  TLV: Threshold Limit Value
  PEL: Permissible Exposure Limit
  REL: Recommended Exposure Limit
  Skin Irrit. 2: Skin corrosion/irritation – Category 2

- 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