1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
- Trade name: Bar's Leaks® Transmission Repair Left Side
- Article number: 1400

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

1.3 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

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

2 Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

  GHS07
  Eye Irrit. 2  H319  Causes serious eye irritation.
  Skin Sens. 1B H317  May cause an allergic skin reaction.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
  Xi; Sensitising
  R43:  May cause sensitisation by skin contact.

- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
  The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)
Trade name: Bar's Leaks® Transmission Repair Left Side

- **Hazard pictograms**
  - GHS07

- **Signal word** Warning

- **Hazard-determining components of labelling:**
  - Zinc Dialkyldithiophosphate

- **Hazard statements**
  - H319 Causes serious eye irritation.
  - H317 May cause an allergic skin reaction.

- **Precautionary statements**
  - P101 If medical advice is needed, have product container or label at hand.
  - P102 Keep out of reach of children.
  - P103 Read label before use.
  - P280 Wear protective gloves and eye protection.
  - P264 Wash thoroughly after handling.
  - P261 Avoid breathing mist/vapours/spray.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  - P337+P313 If eye irritation persists: Get medical advice/attention.
  - P302+P352 IF ON SKIN: Wash with plenty of soap and water.

- **Additional information:**
  - Contains Zinc Dialkyldithiophosphate. May produce an allergic reaction.

- **Hazard description:**

- **WHMIS-symbols:**
  - D2B - Toxic material causing other toxic effects

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

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

- **HMIS Long Term Health Hazard Substances**
  - None of the ingredients is listed.
3 Composition/information on ingredients

3.2 Mixtures
· Description: Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Index number</th>
<th>Dangerous components</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-52-5</td>
<td>265-155-0</td>
<td>649-465-00-7</td>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>25-50%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carc. Cat. 2</td>
<td></td>
</tr>
<tr>
<td>64741-88-4</td>
<td>265-090-8</td>
<td>649-454-00-7</td>
<td>Distillates (petroleum), solvent-refined heavy paraffinic</td>
<td>25-50%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carc. Cat. 2</td>
<td></td>
</tr>
<tr>
<td>67762-77-0</td>
<td></td>
<td></td>
<td>Polybutenylsuccinimide/amide</td>
<td>&lt;10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2, H319</td>
<td></td>
</tr>
<tr>
<td>64742-53-6</td>
<td>265-156-6</td>
<td>649-466-00-2</td>
<td>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>&lt;10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Xn R65</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carc. Cat. 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1, H304</td>
<td></td>
</tr>
<tr>
<td>103-23-1</td>
<td>203-090-1</td>
<td></td>
<td>bis(2-ethylhexyl) adipate</td>
<td>&lt;10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2, H319</td>
<td></td>
</tr>
<tr>
<td>25038-36-2</td>
<td></td>
<td></td>
<td>Ethylene/propylene/diene terpolymer</td>
<td>&lt;10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Xi R36</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2, H319</td>
<td></td>
</tr>
<tr>
<td>68649-42-3</td>
<td></td>
<td></td>
<td>Zinc Dialkyldithiophosphate</td>
<td>&lt;10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Xi R38; Xi R43; N R51</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 2, H411</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2, H315; Skin Sens. 1B, H317</td>
<td></td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

4.1 Description of first aid measures
· General information: Immediately remove any clothing soiled by the product.
· After inhalation: Supply fresh air; consult doctor in case of complaints.
· After skin contact:
  Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

(Contd. on page 4)
**Safety Data Sheet**
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

**Trade name:** Bar's Leaks® Transmission Repair Left Side

- **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; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
  Allergic reactions
  Gastric or intestinal disorders
  Coughing
- **Hazards** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
  If swallowed or in case of vomiting, danger of entering the lungs. Treat skin and mucous membrane with antihistamine and corticoid preparations.

**5 Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
  Foam
  Gaseous extinguishing agents
  Carbon dioxide
  Extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water
- **5.2 Special hazards arising from the substance or mixture**
  In case of fire, the following can be released:
  Carbon monoxide (CO)
  Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:**
  Wear self-contained respiratory protective device.
  Wear fully protective suit.
- **Additional information** No further relevant information available.

**6 Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.
  Particular danger of slipping on leaked/spilled product.
  Ensure adequate ventilation
- **6.2 Environmental precautions:**
  Inform respective authorities in case of seepage into water course or sewage system.
  Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Send for recovery or disposal in suitable receptacles.

(Contd. of page 3)
Trade name: Bar's Leaks® Transmission Repair Left Side

Ensure adequate ventilation.

6.4 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

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Information about fire - and explosion protection: No special measures required.

7.2 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.
Store in a cool location.
Information about storage in one common storage facility:
Do not store together with oxidizing and acidic materials.
Store away from foodstuffs.
Further information about storage conditions:
Store receptacle in a well ventilated area.
Keep container tightly sealed.

7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters
Ingredients 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.

DNEls No further relevant information available.
PNECs No further relevant information available.
Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Respiratory protection:
Not required under normal conditions of use.
Use suitable respiratory protective device when aerosol or mist is formed.
Trade name: Bar's Leaks® Transmission Repair Left Side

Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**

  ![Protective gloves](image)

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

  ![Safety glasses](image)

- **Body protection: **Protective work clothing

- **Limitation and supervision of exposure into the environment**

  No further relevant information available.

- **Risk management measures**

  See Section 7 for additional information.
  No further relevant information available.

### 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

  - **General Information**
    - **Appearance:**
      - Form: Liquid
      - Colour: Red
      - Odour: Petroleum-like
      - Odour threshold: Not determined.
    - **pH-value:** Not determined.

  - **Change in condition**
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: >500 °F / >260 °C
### 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
  - No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
  - Carbon monoxide and carbon dioxide
  - Toxic metal oxide smoke
11 Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: Slight irritant effect on eyes.
  - Sensitization: Sensitization possible through skin contact.
  - Additional toxicological information:
    The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
    - Irritant
    - Danger through skin adsorption.
  - Repeated dose toxicity: Repeated exposures may result in skin and/or respiratory sensitivity.

12 Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: The product contains materials that are harmful to the environment.
  - 12.2 Persistence and degradability: The product is partially biodegradable. Significant residuals remain.
  - 12.3 Bioaccumulative potential: No further relevant information available.
  - 12.4 Mobility in soil: No further relevant information available.
  - Ecotoxicity:
    - Remark: Due to mechanical actions of the product (e.g. agglutinations) damages may occur.
  - Additional ecological information:
  - General notes:
    - This statement was deduced from products with a similar structure or composition.
    - Avoid transfer into the environment.
    - Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - 12.5 Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - 12.6 Other adverse effects: No further relevant information available.

13 Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation
    - Must not be disposed together with household garbage. Do not allow product to reach sewage system.
    - Product is recyclable as a waste oil. Deliver unused and/or contaminated product to waste oil collectors.
### Trade name: Bar's Leaks® Transmission Repair Left Side

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

### 14 Transport information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN-Number</td>
<td></td>
</tr>
<tr>
<td>DOT, ADR, ADN, IMDG, IATA</td>
<td>N/A</td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td></td>
</tr>
<tr>
<td>DOT, ADR, ADN, IMDG, IATA</td>
<td>N/A</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
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<td>DOT, ADR, ADN, IMDG, IATA</td>
<td>N/A</td>
</tr>
<tr>
<td>Class</td>
<td></td>
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<tr>
<td>14.4 Packing group</td>
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</tr>
<tr>
<td>DOT, ADR, IMDG, IATA</td>
<td>N/A</td>
</tr>
<tr>
<td>14.5 Environmental hazards:</td>
<td></td>
</tr>
<tr>
<td>Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>14.6 Special precautions for user</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>UN &quot;Model Regulation&quot;:</td>
<td></td>
</tr>
</tbody>
</table>

### 15 Regulatory information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</td>
<td></td>
</tr>
<tr>
<td>United States (USA)</td>
<td></td>
</tr>
<tr>
<td>SARA</td>
<td></td>
</tr>
<tr>
<td>Section 355 (extremely hazardous substances):</td>
<td></td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
<td></td>
</tr>
<tr>
<td>Section 313 (Specific toxic chemical listings):</td>
<td></td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
<td></td>
</tr>
<tr>
<td>TSCA (Toxic Substances Control Act):</td>
<td></td>
</tr>
<tr>
<td>All ingredients are listed.</td>
<td></td>
</tr>
<tr>
<td>Proposition 65 (California):</td>
<td></td>
</tr>
<tr>
<td>Chemicals known to cause cancer:</td>
<td></td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
<td></td>
</tr>
<tr>
<td>Chemicals known to cause reproductive toxicity for females:</td>
<td></td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
<td></td>
</tr>
</tbody>
</table>
15.2 **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

**Relevant phrases**

- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R51 Toxic to aquatic organisms.
- R65 Harmful: may cause lung damage if swallowed.

(Contd. on page 11)
Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (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
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

Sources
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
1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Trade name: Bar's Leaks® Transmission Repair Right Side
Article number: 1400

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance / the preparation Petroleum product.

1.3 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

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

2 Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
The product is not classified according to GHS regulations.
The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification
guideline for preparations of the EU" in the latest valid version.
Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and
literature data.
The classification is in accordance with the latest editions of international substances lists, and is
supplemented by information from technical literature and by information provided by the company.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 N/A
Hazard pictograms N/A
Signal word N/A

Hazard-determining components of labelling: None.
Hazard statements N/A
Additional information: Safety data sheet available on request.
Hazard description:
WHMIS-symbols: Not hazardous under WHMIS.
Trade name: Bar's Leaks® Transmission Repair Right Side

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

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

**HMIS Long Term Health Hazard Substances**
None of the ingredients is listed.

**2.3 Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT**: Not applicable.
  - **vPvB**: Not applicable.

### 3 Composition/information on ingredients

#### 3.2 Mixtures
- **Description**: Mixture of substances listed below with nonhazardous additions.

| CAS: 64742-52-5 | Distillates (petroleum), hydrotreated heavy naphthenic Carc. Cat. 2 | >50% |
| CAS: 64741-88-4 | Distillates (petroleum), solvent-refined heavy paraffinic Carc. Cat. 2 | 25-50% |
| CAS: 103-23-1 | bis(2-ethylhexyl) adipate | <10% |
| CAS: 68478-81-9 | Naphtha (petroleum), light steam-cracked arom., piperylene conc., polymerized. | <10% |
| CAS: 9011-13-6 | Styrene Maleic Anhydride Copolymer | <10% |

**Additional information**: For the wording of the listed risk phrases refer to section 16.
### 4 First aid measures

- **4.1 Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:**
    Clean with water and soap.
    If skin irritation continues, 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; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** Gastric or intestinal disorders
  - **Hazards** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
  - If swallowed or in case of vomiting, danger of entering the lungs.
  - Treat skin and mucous membrane with antihistamine and corticoid preparations.

### 5 Firefighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:**
    - Foam
    - Carbon dioxide
    - Extinguishing powder. Do not use water.
  - **For safety reasons unsuitable extinguishing agents:** Water
- **5.2 Special hazards arising from the substance or mixture**
  - In case of fire, the following can be released:
    - Carbon monoxide (CO)
    - Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
  - **Protective equipment:**
    - Wear self-contained respiratory protective device.
    - Wear fully protective suit.
  - **Additional information** No further relevant information available.

### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Wear protective equipment. Keep unprotected persons away.
  - Ensure adequate ventilation
  - Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
  - Inform respective authorities in case of seepage into water course or sewage system.
7 Handling and storage

- 7.1 Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
- Information about fire - and explosion protection: No special measures required.
- 7.2 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.
  Store in a cool location.
  Information about storage in one common storage facility: Store away from foodstuffs.
  Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
  Ingredients 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.
  DNElS No further relevant information available.
  PNECS No further relevant information available.
  Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
  Personal protective equipment:
  General protective and hygienic measures:
  The usual precautionary measures are to be adhered to when handling chemicals.
  Keep away from foodstuffs, beverages and feed.
  Avoid contact with the eyes.
  Avoid close or long term contact with the skin.
  Respiratory protection:
  Use suitable respiratory protective device in case of insufficient ventilation.
  Use suitable respiratory protective device when aerosol or mist is formed.
Trade name: Bar's Leaks® Transmission Repair Right Side

Protection of hands:

- Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

- Safety glasses

Body protection: Protective work clothing

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

Risk management measures No special requirements.

9 Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  
  General Information
  
  Appearance:
  
  - Form: Liquid
  - Colour: Amber coloured
  - Odour: Petroleum-like
  - Odour threshold: Not determined.
  
  pH-value: Not determined.

  Change in condition
  
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: >500 °F / >260 °C

  Flash point: >379 °F / >193 °C

  Flammability (solid, gaseous): Not applicable.

  Ignition temperature: 644 °F / 340 °C

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- Decomposition temperature: Not determined.
- Self-igniting: Product is not self-igniting.
- Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits:
    - Lower: Not determined.
    - Upper: Not determined.
- Vapour pressure: Not determined.
- Density at 20 °C: 0,89 g/cm³
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- Solvent content:
  - Organic solvents: Not determined.
- Solids content: Not determined.
- 9.2 Other information: No further relevant information available.

10 Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions: Reacts with strong acids and oxidizing agents.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide.

11 Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: Slight irritant effect on skin and mucous membranes.

(Contd. on page 7)
12 Ecological information

- **12.1 Toxicity**
  - *Aquatic toxicity:* The product contains materials that are harmful to the environment.
  - *12.2 Persistence and degradability:* The product is partially biodegradable. Significant residuals remain.
  - *12.3 Bioaccumulative potential:* No further relevant information available.
  - *12.4 Mobility in soil:* No further relevant information available.
  - *Ecotoxicological effects:* 
  - *Remark:* Due to mechanical actions of the product (e.g. agglutinations) damages may occur.
  - *Additional ecological information:* 
  - *General notes:* This statement was deduced from products with a similar structure or composition. Avoid transfer into the environment.
  - Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
  - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - *12.5 Results of PBT and vPvB assessment*
    - *PBT:* Not applicable.
    - *vPvB:* Not applicable.
  - *12.6 Other adverse effects:* No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
  - *Recommendation:* Product is recyclable as a waste oil. Deliver unused and/or contaminated product to waste oil collectors.
  - *Uncleaned packaging:*
  - *Recommendation:* Disposal must be made according to official regulations.

14 Transport information

- **14.1 UN-Number**
  - DOT, ADR, ADN, IMDG, IATA: N/A
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- 14.2 UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA
    - N/A

- 14.3 Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA
    - Class
      - N/A

- 14.4 Packing group
  - DOT, ADR, IMDG, IATA
    - N/A

- 14.5 Environmental hazards:
  - Marine pollutant:
    - No

- 14.6 Special precautions for user
  - Not applicable.

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

- UN "Model Regulation":
  - -

15 Regulatory information

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

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

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

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

  - Proposition 65 (California):

    - Chemicals known to cause cancer:
      - None of the ingredients is listed.

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

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

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

  - Carcinogenic Categories

    - EPA (Environmental Protection Agency)
      - 103-23-1 | bis(2-ethylhexyl) adipate

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- IARC (International Agency for Research on Cancer)
  None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)
  None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
  None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration)
  None of the ingredients is listed.
- Canada
  - Canadian Domestic Substances List (DSL)
    All ingredients are listed.
  - Canadian Ingredient Disclosure list (limit 0.1%)
    103-23-1 | bis(2-ethylhexyl) adipate
  - Canadian Ingredient Disclosure list (limit 1%)
    None of the ingredients is listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

- Relevant phrases
  H302  Harmful if swallowed.
  H304  May be fatal if swallowed and enters airways.
  H315  Causes skin irritation.
  H319  Causes serious eye irritation. H335 May cause respiratory irritation. H336  May cause drowsiness or dizziness. H400  Very toxic to aquatic life.
  R22  Harmful if swallowed.
  R36/37/38 Irritating to eyes, respiratory system and skin.
  R65  Harmful: may cause lung damage if swallowed.
  R67  Vapours may cause drowsiness and dizziness.

- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (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
  GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  ACGIH: American Conference of Governmental Industrial Hygienists
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  WHMIS: Workplace Hazardous Materials Information System (Canada)
  DNEL: Derived No-Effect Level (REACH)

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### Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

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<th>Trade name: Bar's Leaks® Transmission Repair Right Side</th>
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PNEC: Predicted No-Effect Concentration (REACH)

**Sources**

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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