1 Identification

- Product identifier
- Trade name: Bar's Leaks® Liquid Radiator Stop Leak
- Article number: 1194, 1196
- Recommended use and restriction on use
- Recommended use: Sealant
- Restrictions on use: No further 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, +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).
  Additional information:
  There are no other hazards not otherwise classified that have been identified.
  0 percent of the mixture consists of ingredient(s) of unknown toxicity.

- 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: None.
- Hazard statements Not Regulated
- Precautionary statements Not Regulated
- Hazard description:
  WHMIS-symbols: Not hazardous under WHMIS.
- Classification system:
- NFPA ratings (scale 0 - 4)
  Health = 0
  Fire = 0
  Reactivity = 0
- HMIS-ratings (scale 0 - 4)
  Health = 0
  Fire = 0
  Reactivity = 0

(Contd. on page 2)
### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Contains no hazardous substances.
- **Dangerous components:** None in reportable quantities.
- **Additional information:**
  For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

### 4 First-aid measures

- **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 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.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**
    Slight irritant effect on eyes.
    Gastric or intestinal disorders
    Nausea in case of ingestion.
  - **Danger** No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**
    No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** None.
- **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.
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Wear fully protective suit.

Additional information No further relevant information available.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.
For large spills, wear protective clothing.
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Environmental precautions: Do not allow to enter sewers/surface or ground water.

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.
Dispose contaminated material as waste according to item 13.

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
Prevent formation of aerosols.
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:
Provide ventilation for 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.

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

8 Exposure controls/personal protection

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

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.
· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls
· Personal protective equipment:
  · General protective and hygienic measures:
    The usual precautionary measures for handling chemicals should be followed.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Do not inhale gases / fumes / aerosols.
    Avoid contact with the eyes and skin.
    Keep away from foodstuffs, beverages and feed.
  · Engineering controls: No further 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:
    Wear protective gloves to handle contents of damaged or leaking units.
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    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:
  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 See Section 7 for additional information.

9 Physical and chemical properties

· Information on basic physical and chemical properties
  · General Information
  · Appearance:
    Form: Viscous
    Color: Brown
  · Odor: Odorless
  · Odor threshold: Not determined.
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- pH-value at 20 °C (68 °F): 8.0 - 9.5
- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 100 °C (212 °F)
- Flash point: Not applicable.
- Flammability (solid, gaseous): Product is not flammable.
- Auto-ignition temperature: Not determined.
- Decomposition temperature: Not determined.
- Auto igniting: Product is not self-igniting.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
- Vapor pressure: Not determined.
- Density at 20 °C (68 °F): 1 g/cm³ (8.345 lbs/gal)
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with Water: Fully miscible.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic at 20 °C (68 °F): 900 mPas
  - Kinematic: Not determined.
- Other information: No further relevant information available.

10 Stability and reactivity

- Reactivity
  - Chemical stability
  - Thermal decomposition / conditions to be avoided:
    No decomposition if used and stored according to specifications.
  - Possibility of hazardous reactions
    Reacts with strong acids and oxidizing agents.
    Toxic fumes may be released if heated above the decomposition point.
- Conditions to avoid: Store away from oxidizing agents.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: Carbon monoxide and carbon dioxide

(Contd. on page 6)
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: No sensitizing effects known.
  - Subacute to chronic toxicity: No further relevant information available.
  - Additional toxicological information:
    - The product is not subject to classification according to internally approved calculation methods for preparations:
      - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  - Carcinogenic categories
    - NTP (National Toxicology Program)
      - None of the ingredients is listed.
    - OSHA-Ca (Occupational Safety & Health Administration)
      - None of the ingredients is listed.

Probable Routes of Exposure
- Inhalation.
- Eye contact.
- Skin contact.
- Repeated Dose Toxicity: No further relevant information available.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behavior in environmental systems:
    - Bioaccumulative potential: No further relevant information available.
    - Mobility in soil: No further relevant information available.
  - Additional ecological information:
    - General notes: Generally not hazardous for water
    - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:
  - Smaller quantities can be disposed of with household waste.
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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.

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA: Not Regulated
  - UN proper shipping name: Not Regulated
  - DOT, ADR, ADN, IMDG, IATA: Not Regulated
  - Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA: Not Regulated
  - Class: Not Regulated
  - Packing group: Not Regulated
  - DOT, ADR, IMDG, IATA: Not Regulated
  - Environmental hazards:
  - Marine pollutant: No
  - Special precautions for user: Not applicable.
  - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
  - UN "Model Regulation": -

### 15 Regulatory information

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

- Carcinogenic categories

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

  - 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.

- State Right to Know Listings
  None of the ingredients is listed.

- Canadian substance listings:

  - Canadian Domestic Substances List (DSL)
    All ingredients are listed.

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

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

- Other regulations, limitations and prohibitive regulations
  This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

- 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.

- Date of preparation / last revision 05/01/2015 /

- 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
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  WHMIS: Workplace Hazardous Materials Information System (Canada)
  LC50: Lethal concentration, 50 percent
### Trade name: Bar's Leaks® Liquid Radiator Stop Leak

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<th>LD50: Lethal dose, 50 percent</th>
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**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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