## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

## 1 Identification

- Product identifier
- Trade name: Bar's Leaks® Pelletized Radiator Stop Leak

Product code: PLT11

- Recommended use and restriction on use

Recommended use: Anti-Leak product for radiators.
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

Carc. 1B H350 May cause cancer.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

## - Label elements

## GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms:

GHSO8
Signal word: Danger
Hazard statements:
H350 May cause cancer.
H304 May be fatal if swallowed and enters airways.
Precautionary statements:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves and eye protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P331 Do NOT induce vomiting.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards There are no other hazards not otherwise classified that have been identified.

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## 3 Composition/information on ingredients

Chemical characterization: Mixtures
Components:

| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic <br> - A' Āp. Tox. 1, $\overline{\mathrm{H}} 304$ | >80\% |
| :---: | :---: | :---: |
| 64741-45-3 | Residues (petroleum), atm. tower (s) C̄āc. 1 $\bar{B}, \mathrm{H} 350$ | <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 sulphoxide extraction refractive index method', Institute of Petroleum, London. This product meets these requirements.
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. 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.
Provide oxygen treatment if affected person has difficulty breathing.
In case of unconsciousness place patient stably in side position for transportation.

## After skin contact:

Wash with soap and water.
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.
A person vomiting while lying on their back should be turned onto their side.
Most important symptoms and effects, both acute and delayed:
Breathing difficulty
Coughing
Slight irritant effect on eyes.
Slight irritant effect on skin and mucous membranes.
Gastric or intestinal disorders when ingested.
Nausea in case of ingestion.
Danger:
May be fatal if swallowed and enters airways.
Danger of impaired breathing.
May cause cancer.
Indication of any immediate medical attention and special treatment needed:
Medical supervision for at least 48 hours.
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.

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Later observation for pneumonia and pulmonary edema.

## 5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:
Foam
Fire-extinguishing powder
Gaseous extinguishing agents
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.
Wear fully protective suit.

## 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
Environmental precautions
Avoid release to the environment.
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.
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:
Use only in well ventilated areas.
Avoid splashes or spray in enclosed areas.
Keep out of reach of children.
Information about protection against explosions and fires: No special measures required.
Conditions for safe storage, including any incompatibilities

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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.
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 and skin.
Avoid breathing mist, vapors, or spray.
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:

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 relevant information available.
Risk management measures No relevant information available.

## 9 Physical and chemical properties

- Information on basic physical and chemical properties

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| :---: | :---: | :---: |
| - Appearance: |  |  |
| Form: | Oily liquid with solids |  |
| Color: | Not determined. |  |
| - Odor: | Petroleum-like |  |
| - Odor threshold: | Not determined. |  |
| - pH-value: | Not determined. |  |
| - Melting point/Melting range: | Not determined. |  |
| - Boiling point/Boiling range: | $>100{ }^{\circ} \mathrm{C}\left(>212{ }^{\circ} \mathrm{F}\right)$ |  |
| - Flash point: | $>93{ }^{\circ} \mathrm{C}$ (>199.4 ${ }^{\circ} \mathrm{F}$ ) |  |
| - 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 |  |  |
| - Partition coefficient (n-octanol/water): Not determined. |  |  |
| - Viscosity |  |  |
| Dynamic: | Not determined. |  |
| Kinematic at $40{ }^{\circ} \mathrm{C}\left(104{ }^{\circ} \mathrm{F}\right)$ : | <20.5 cSt |  |
| - 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.

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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):

| $64-17-5$ | Ethanol | 1 |
| ---: | :--- | :--- |
| $123-91-1$ | 1,4 -dioxane | $2 B$ |
| $1303-28-2$ | diarsenic pentaoxide | 1 |

- NTP (National Toxicology Program):

| $123-91-1$ | 1,4 -dioxane | R |
| :--- | :--- | :--- |
| $1303-28-2$ | diarsenic pentaoxide | K |

OSHA-Ca (Occupational Safety \& Health Administration):
None of the ingredients are listed.
Probable route(s) of exposure:
Ingestion.
Inhalation.
Eye contact.
Skin contact.

- Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: May cause cancer.
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: May be fatal if swallowed and enters airways.

## 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.

Ecotoxical effects:

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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



## 15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)
SARA
Section 302 (extremely hazardous substances):

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## 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 October 09, 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: Persistant, Bio-accumulable, Toxic
vPvB: very Persistent and very Bioaccumulative

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OSHA: Occupational Safety \& Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Carc. 1B: Carcinogenicity - Category 1B
Asp. Tox. 1: Aspiration hazard - Category 1

## 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)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
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