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SAFETY DATA SHEET

Bar's Leaks Stop Leak

1. Identification of the Substance and Supplier.

Product name: Bar's Leaks Stop Leak

Product Codes: BL150, BL340

Product Use: Motor vehicle cooling system Sealer & Conditioner, Rust & Corrosion inhibitor, Application through radiator or cooling system.

Company Details:

H.O. Wiles Limited 3 Goodman Place Penrose, Auckland 1061 New Zealand	Bar's Leaks Australia LP 41 Bay Road Taren Point NSW 2229 Australia

E-mail Address: admin@howiles.co.nz

Telephone numbers: +64 9 270 2032 +61 417 449 962

Emergency Telephone: National Poisons Centre New Zealand Phone: 0800 POISON (0800 764-766)
Poisons Information Centre Australia: 13 11 26

2. Hazards identification.

Classified as a hazardous substance according to the criteria in the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001: HSR002606, Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2017.

This material is hazardous according to the health criteria of Safe Work Australia.

Not classified as dangerous goods by the criteria of the Australian Code for the transport of Dangerous Goods (ADG) and in New Zealand, according to NZS 5433:2012 Transport of Dangerous Goods on Land.

GHS Categories: Skin corrosion/irritation – Category 3
Serious eye damage/irritation – Category 2B
Respiratory sensitisation – Category 1

HSNO Classifications: **6.3B, 6.4A, 6.5A**

Signal Word: DANGER

Hazard Statements:

H316	Causes mild skin irritation.
H320	Causes eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Prevention Statements:

P103	Read label before use.
P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling.
P285	In case of inadequate ventilation wear respiratory protection (half-mask fitted with organic vapour cartridge).

Response Statements:

P304+P341	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms. Call a POISON CENTER or doctor/physician.

Storage Statements:

No Storage Requirements

Disposal Statements:

P501	Disposal of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

3. Composition/Information on Ingredients

Ingredient	CAS Number	Content (% w/w)
Distillates (Petroleum) hydrotreated heavy naphthenic	64742-52-5	80 – 100%
Turmeric	458-37-7	0 – 1%
Sodium Carbonate Decahydrate	6132-02-1	0 – 1%
Triethanolamine	102-71-6	0 – 1%

4. First aid measures

General Advice: Treat according to person's condition and specifics of exposure. Treat symptomatically. For further information the medical practitioner should refer to the phone numbers in Section 1.

Inhalation: Remove to fresh air. Seek medical assistance if symptoms persist.

Ingestion:	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting, immediately contact the **NZ National Poison Centre (0800 764 766)** or a doctor.
Skin Contact:	Wash skin well with soap and water.
Eye Contact:	Immediately flush with water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing, if irritation persists seek medical advice/attention.

5. Fire-fighting measures

Extinguishing media	In case of fire, use water fog, dry chemical, carbon dioxide or appropriate foam.
Hazardous combustion products	Oxides of carbon & sulphur as well as partially burned hydrocarbons.
Precautions for Firefighters	Use self-contained The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

6. Accidental release measures

Spills and Disposal	In the event of a major spill, prevent spillage from entering drains or watercourses. Stop leak if safe to do so and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.
Personal Protection	Wear full protective chemically resistant clothing including eye/face protection, gauntlets and self-contained breathing apparatus. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, Nitrile, butyl rubber, neoprene. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that dusts are likely to build up in clean-up area, we recommend that you use a suitable dust mask.
Environmental precautions	Prevent spilled material from entering drains/surface waters/groundwater. If contamination has occurred, advise local emergency services.

7. Handling and storage

Precautions for safe handling

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under 'Storage' should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Conditions for safe storage

Make sure that containers of this product are kept tightly closed. Keep containers dry and in a cool location. Make sure that the product does not come into contact with substances listed under 'Incompatibilities' in Section 10. Check packaging - there may be further storage instructions on the label.

8. Exposure controls/personal protection

Workplace exposure standards

The following exposure standards have been established for the product by Worksafe New Zealand.

Material	Type	mg/m^3
Triethanolamine [102-71-6]	TWA	5
	STEL	-

Appropriate engineering controls

Provide sufficient ventilation to keep airborne levels below the exposure limits.

Personal protective equipment

Eye/Face – Protective glasses or goggles that comply with AS/NZS 1336:1997.
Skin – Protective gloves that comply with AS/NZS 2121.2:1998.

9. Physical and chemical properties

Appearance	Liquid containing brown pellets.
Colour	Dark.
Odour	Solvent-like.
pH @ 20°C	No data available
Specific Gravity	0.92g/mL @15°C
Viscosity @ 20°C	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	>150°C
Flammability	No data available
Explosive Limits	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Solubility	Emulsifiable in water
Partition Coefficient	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Incompatible materials	Strong oxidisers and materials which may corrode the tinplate container.
Hazardous decomposition product	Combustion forms carbon dioxide and if incomplete carbon monoxide, sodium oxide and smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment and unconsciousness followed by coma and death.
Hazardous polymerisation	This product will not undergo polymerisation reactions.

11. Toxicological information

Health Hazard Summary	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:
Eye Contact	Irritation may occur. Effects are generally reversible within 7 days. If symptoms persist seek medical attention.
Inhalation	May exacerbate asthma symptoms or induce respiratory irritation.
Skin Contact	May cause irritation.
Ingestion	No adverse effects are known.
Toxicity Data	Unavailable.

12. Ecological information

Ecotoxicity	No ecological toxicity data is available. This product is not considered as harmful to the aquatic environment.
Persistence and degradability	No data available.
Mobility	No data available.

13. Disposal considerations

Disposal Considerations	Dispose of waste according local body waste regulations.
Suggested Precautions	This product cannot be recycled, consider controlled incineration, or contact a specialist waste disposal company.

14. Transport information

Not classified as a Dangerous Good according to NZS 5433:2007 Transport of Dangerous Goods on Land & Dangerous Goods Rule 2005. Not regulated for transport of Dangerous Goods: ADG, UN, IATA, IMDG. Not a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Classified as a hazardous substance according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001: HSR002606, Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2017.

All components of this material are listed on, or exempt from, the New Zealand Inventory of Chemicals (NZIOC) and the Australian Inventory of Chemical Substances (AICS).

16. Other information

SDS Version Number: 1.0
SDS Effective Date: 28 October 2020
SDS Review Date: 28 October 2025
SDS Regulation: The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No. HSNOCOP 8-1 09-06): Preparation of Safety Data Sheets.

AS	Australian Standard
AS/NZS	Joint Australian/New Zealand Standard
EEL	Environmental Exposure Limit
HSNO	Hazardous Substances and New Organisms Act 1996
NZS	New Zealand Standard
TEL	Tolerable Exposure Limit
WES	Workplace Exposure Standard

This SDS is the first version for Bar's Leaks Leak Stop. It summarises our best knowledge of the health and safety hazard information of the product. All users should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. Since the actual use of this product is beyond the control of H. O. Wiles Ltd, we make no warranty, expressed or implied, concerning the use of this product. It is the responsibility of users to ascertain that the product is suitable for intended applications.