

SAFETY DATA SHEET

Bar's Bugs

Date of issue: 1 March 2023
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1. Identification of the Substance and Supplier.

Product name: Bar's Bugs

Synonyms: Bar's Bugs Super Strength, Bar's Bugs Super Concentrate, Bar's Bugs Standard Strength, Bar's Bugs Premix, Subaru Washer Additive

Product Codes: BB125, BB300, BB375, BB500, BB500-SCA, BB600, BB1L, BBPM3L, BB5L, BB5L-SC, BB10L-SC, BB20L-SC, BB50, BBSACHET, SAS1103 (Subaru 50 mL), SAS1104 (Subaru 20L)

Product Use: Window Washer Fluid

Company Details: H.O. Wiles Limited
P.O. Box 13-2215
Auckland 1644
New Zealand
Bar's Leaks Australia LP
P.O. Box 2623
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 and Hazardous Chemicals Information Centre
Dunedin. Phone: 0800 POISON (0800 764-766)
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 – Reprinted 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 5433:2020 Transport of Dangerous Goods on Land.

GHS Categories: Skin Irritation – Category 2
Eye Irritation – Category 2

Signal Word: WARNING

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Hazard Statements:

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Prevention Statements:

P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands thoroughly after use.
P280 Wear eye protection.

Response Statements:

P101 If medical advice is needed, have product container or label at hand.
P321 Specific treatment (see Section 4 – First Aid – eye contact).
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYE: 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 attention.
P337+P313 If eye irritation persists: Get medical attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

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)
Ammonia	7664-41-7	< 5%
Materials deemed not hazardous	-	Balance

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. Keep warm and rested. Apply artificial respiration if breathing has stopped.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting, immediately contact the **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 safe to do so. Seek medical advice.

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5. Fire-fighting measures

Extinguishing media	In case of fire, use carbon dioxide, dry chemical, foam, water fog.
Hazardous combustion products	None
Precautions for Firefighters	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 away from water. 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.

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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
Ammonia [7664-41-7]	TWA	17
	STEL	24

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 1336:2014.
Skin – Protective gloves that comply with AS/NZS 2161.2:2020.

9. Physical and chemical properties

Appearance	Clear liquid.
Colour	Green.
Odour	Faint ammoniacal.
pH @ 20°C	9.5 – 10.0
Specific Gravity	1.004 – 1.008g/mL @20°C
Viscosity @ 20°C	N/A
Freezing Point	-5 - 5°C
Boiling Point	95 – 105°C
Flash Point	N/A
Flammability	N/A
Explosive Limits	N/A
Vapour Pressure	N/A
Vapour Density	N/A
Solubility	Soluble.
Partition Coefficient	N/A
Auto-Ignition Temperature	N/A
Decomposition Temperature	N/A

10. Stability and reactivity

Chemical Stability Stable under normal conditions of handling and storage.

Incompatible materials Oxidising agents.

Hazardous decomposition product Combustion forms carbon dioxide and if incomplete carbon monoxide and possibly 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.

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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	Serious damage and/or irritation may occur.
Inhalation	The mixture is acutely toxic by inhalation based on information for Ammonia sourced from the NZ CCID.
Skin Contact	Skin contact may result in irritation with effects worsened from prolonged exposure.
Ingestion	No adverse effects are known.
Toxicity Data	Ammonia [7664-41-7] LD ₅₀ 112mg/m ³ .

12. Ecological information

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

13. Disposal considerations

Disposal Considerations	Dispose of waste according local body waste regulations.
Suggested Precautions	This product may be recycled if unused, or if it has not been contaminated as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.

14. Transport information

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Not regulated for transport of Dangerous Goods: ADG7, UN, IATA, IMDG. Not a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land & Dangerous Goods Rule 2005.

15. Regulatory information

Classified as a hazardous substance according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001: HSR002530, Cleaning Products (Subsidiary Hazard) Group Standard 2020.

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).

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16. Other information

SDS Version Number: 2.0

SDS Effective Date: 01 March 2023

SDS Review Date: 01 March 2028

SDS Regulation: The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No. HSNO COP 8-1 09-06): Preparation of Safety Data Sheets.

AICS	Australian Inventory of Chemicals
AS	Australian Standard
AS/NZS	Joint Australian/New Zealand Standard
EEL	Environmental Exposure Limit
HSNO	Hazardous Substances and New Organisms Act 1996
NZIoC	New Zealand Inventory of Chemicals
NZS	New Zealand Standard
STEL	Short-term Exposure Limit
TWA	Time-weighted Average
WES	Workplace Exposure Standard

This SDS is the latest version for Bars Bug's. 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.
