Safety Data Sheet
BUTANE GAS CANISTER

1. Identification

Product Name:

B-CAN4	230gm Butane Canister – Screw
WH-18001	230gm Butane Canister – Screw
B-CAN5	450gm Butane Canister – Screw
WH-18002	450gm Butane Canister – Screw
GM040-004	4×220gm PK Butane RVR Canister
PL1120	190gm Piercable Butane Gas Cartridge

Recommended Use: Used as fuel in gas camping and leisure products

UN Number: 1011

Proper Shipping Name: Butane

Supplier:
Name: Aber Holdings Ltd
Phone: (07) 849 7585
Address: 17 Mainstreet Place Te Rapa, Hamilton

Email: sales@aber.co.nz
Website: http://www.aber.co.nz/

Emergency Contacts: Emergency Services (Fire, Ambulance, Police) – Dial 111
National Poisons Information Centre – 0800 764 766 (0800 POISON)

2. Hazard Identification

Statement of Hazardous Nature:
This preparation is classified as a health or environmental hazard according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

Classified as a Dangerous Good according to NZS 5433.

Hazard Classification:
Class 2.1.1A

Hazard Statements:
Danger
Extremely flammable gas

Prevention Statements:
If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Read safety data sheet before use
Keep away from heat, sparks, open flames and hot surfaces. No smoking.
Pressurized container: Do not pierce or burn, even after use.

3. Composition & Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Butane and heavier fractions	106-97-8	45
Iso-butane	75-28-5	28
Propane	74-98-6	26

4. First Aid Measures

New Zealand Poisons & Hazardous Chemicals National Information Centre
phone 0800 POISON – 0800 764 766

Ingestion: Not considered a likely exposure route.

Inhalation: IF INHALED Remove victim to fresh air. If breathing has stopped or irregular apply artificial respiration. Seek medical attention immediately

Skin: IF ON SKIN Immerse affected area in cold water. If frostbite or burn occurs, obtain medical attention.

Eyes: IF IN EYES Flush eye gently with fresh water. Continue washing for at least 15 minutes. Obtain medical aid as soon as possible.

Advice to Doctor: Treat symptomatically.

5. Fire Fighting Measures

Flammability: Highly flammable gas that collects at floor level and readily forms an explosive mixture with air. Concentration of 2 to 10% approximately in air can be ignited. Gas canisters can explode if not cooled in the event of a fire.

Extinguishing media: If safe, stop the flow of gas by closing valves. Dry chemical powder extinguishers may be used or use appropriate for surrounding materials.

Hazardous Combustion products: Carbon oxides (CO and CO_2) may be formed.

6. Accidental Release Measures

Spills: A spill of liquid is unlikely from this product and container format. Liquid propane can cause cold burns (frostbite) on exposed skin. No clean up measures are necessary, beware of flammable gas and fire and explosion hazards created.

Gas Leak: Beware of flammable gas and fire and explosion hazards created. If possible and safe shut off gas supply/appliance. Ventilate area if possible using non mechanical means (e.g. opening windows and doors). If leak can not be stopped, isolate canister away from all sources of ignition and in a well ventilated area until all gas has purged. Dispose of canister.

7. Handling & Storage

Safe Handling

NEVER use a butane/propane/LPG fuelled appliance in an enclosed space. Carbon monoxide is a product of combustion which can occur when using gas appliances and can cause death in high concentrations.

Before use carefully read the product label.
Avoid eye or skin contact.
Do not install or remove gas canisters in the presence of an open flame, ensure all cooking or heating appliances are turned off when installing or removing gas canisters.

Storage

Store in cool, dry area, removed from sources of ignition.
Ensure containers are labelled, protected from physical damage and sealed when not in use.

8. Exposure Controls & Personal Protection

Exposure Standards

Workplace Exposure Standards (WES):

Substance	CAS number	TWA (ppm)	TWA (mg/m^3)
Butane	[106-97-8]	800	1,900
LPG (Liquefied petroleum gas)	[68476-85-7]	1,000	1,800

New Zealand Workplace Exposure Standards and Biological Exposure Indices 9th Edition

Engineering Controls

Ventilation: Ensure adequate ventilation.

Personal Protection (PPE)

No personal protective equipment indicated due to the container construction and indicated use in consumer products. Use of protective gloves (thermal protection) to prevent skin contact with liquid gas is suggested.

Leather gloves are recommended. Be aware that gloves that come into contact with butane/LPG may become more flammable. Gloves should be aired well after contact and before the next use.

9. Physical & Chemical Properties

Appearance: Colourless gas, may have an unpleasant odour
Odour: Strong odour like rotten eggs or cabbage
pH: Not applicable
Boiling point: -42˚C
Melting point: -189.7˚C
Density at 20 ºC (air =1): 1.58
Solubility (water): Not applicable
Flash point: -105˚C
Upper & Lower Flammability Limits: 2.2 – 9.5%
Auto ignition temperature: 468ºC
Evaporation rate:
Vapour pressure: (at 10ºC) 552kPa
Viscosity (dynamic): Not applicable

10. Stability & Reactivity

Stability: This product is stable.
Incompatible Substances: Strong oxidising agents e.g. nitric acid

Conditions to avoid: Sparks, heat, open flames and other sources of ignition.
Hazardous decomposition products: Carbon dioxide and carbon monoxide.

11. Toxicological Information

Health Effects / Symptoms of Exposure

Skin: Liquid butane may cause frostbite, tissue damage, blisters and wounds.

Eyes: Liquid butane in eyes will cause tissue damage. Vapour may cause irritation.

Inhalation: May cause headaches, drowsiness and dizziness. Excessive exposure may cause unconsciousness or even death, due to asphyxiation

Ingestion: Due to product form, ingestion is considered highly unlikely.

Toxicological Data

No data available.

12. Ecological Information

Environmental Exposure Limit (EEL): Not applicable
Persistence in environment: Butane will vaporise rapidly when released to atmosphere. There are no known adverse ecological effects.

Biodegradibility: Not applicable
Mobility: Not applicable

Ecotoxicological Data

Butane is not known to be toxic to aquatic or terrestrial organisms.

13. Disposal Considerations

Containers may be recycled if suitable facilities are available, check local council website for disposal locations. Do not dispose of canisters in household waste bins.

14. Transport Information

Classified as a Dangerous Good according to NZS 5433:2007.

Proper Shipping Name: Butane
UN Number: 1011 (butane)
DG Class: 2.1
Subsidiary Risk: Not applicable

Packing Group: not applicable
EPG: not applicable
Marine Pollutant: not applicable

15. Regulatory Information

HSNO Approval

Butane
HSNO Class 2.1.1A (Flammable Gas)
Approval Number: HSR000989

16. Other Information

Abbreviations / Terminology:

CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
EEL	Environmental Exposure Limit
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
NZS 5433	Transport of Dangerous Goods on Land
WES	Workplace Exposure Standard

Prepared with reference to: *Hazardous Substances (Safety Data Sheets) Notice 2017.*

Current Version: 15 March 2023

Revision Information:

SDS may be revised from time to time, please ensure you have a current copy.

This revision: Version 1 - Creation of SDS to NZ requirements.

Previous revision dated: Overseas supplier SDS dated 28 June 2018.

Disclaimer:

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

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