

Section 1 - Identification of the Material and Supplier

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| Supplier | Newfield Group Ltd, 491 Waterloo Road, Christchurch 8042 Phone: 03 348 0799 |
| Product Name | PERI™ BUTANE GAS REFILL |
| Product Code | PBGR, PBGC, PMGT, PFL, PMWL, PFWL |
| Other Names | Aerosol 300ml Butane Gas Refill, Aerosol Butane Gas Cartridge 220g, Micro Gas Torch, Flexible Lighter |
| Recommended Uses | Source of butane gas |
| Creation Date | October 2020 |
| This Version Issued | October 2020 and is valid for 5 years from this date |

EMERGENCY CONTACT NUMBER: +64 21 402 983

Section 2 - Hazards Identification

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| Dangerous Goods | Classified as a Dangerous Good - HSNO |
| HSNO Classification Numbers | 2.1.1A |
| Hazard Statements | Ingredients are below the levels to cause the product to be classified |
| Precautionary Statements | n/a |



Section 3 - Composition/Information on Ingredients

| Contents | CAS Number | Proportion |
|----------------------|---|------------|
| Butane | 106-97-8 | 45% |
| ISO Butane | 72-85-5 | 28% |
| Propane | 74-98-6 | 26% |
| Composition Comments | Substances indicating a hazard do so under EC Directive 858/379 & 67/548. Aerosol classified as Flammable | |

Section 4 - First Aid Measures

For advice, contact National Poisons Information Centre (phone 0800 764 766) or a doctor. Ensure you have the product container or label at hand.

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| General | Note! Keep affected person away from heat, sparks and flames! |
| Eye Contact | Promptly wash eyes with water while lifting the eyelids. Get medical attention immediately. Continue to rinse. Burns should be flushed with water to normalise temperature. Cover eyes with sterile dressing. Do NOT apply ointments or powder. |
| Skin Contact | Remove affected person from source of contamination. Promptly stop exposure and get medical attention if frostbit has occurred. Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water. |

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| Inhalation | Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention. |
| Ingestion | NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS. DO NOT induce vomiting. Get medical attention immediately. |

Section 5 - Fire-Fighting Measures

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| Suitable Extinguishing Media | Stop flow of material to fire. Fire can be extinguished using foam, dry chemicals, and sand dolomite, etc. |
| Fire-fighting Advice | Use water to keep fire exposed cool and disperse vapours. Cool containers exposed to flames with water from side until well after fire is out. Move container from fire area if it can be done without risk. |
| Specific Hazard | Extremely flammable. May explode in a fire. May travel considerable distance to source of ignition and flashback. |
| Hazchem Components | Toxic gases/vapours/fumes of carbon monoxide (CO), carbon dioxide (CO2) |

Section 6 - Accidental Release Measures

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| Spill Cleanup Methods | Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate, exhaust aerosol in well-ventilated area. |
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Section 7 - Handling and Storage

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| Handling Advice | Keep away from heat, sparks and open flame. |
| Storage Advice | Flammable/combustible. Keep away from oxidizers, heat and flames. May attack some plastics, rubber and coatings. |
| Storage Criteria | Flammable compressed gas storage/ |

Section 8 - Exposure Controls/Personal Protection

| Ingredient Name | CAS No. | STD | LT EXP (8 hours) | ST EXP (15 min) |
|-------------------------------|---|-----|---------------------|--------------------|
| Butane | 106-97-8 | OES | 600ppm | 750ppm |
| ISO Butane | 72-85-5 | | 600ppm | 750ppm |
| Propane | 74-98-6 | | 700ppm | 800ppm |
| Engineering Controls | Aerosol propellant | | | |
| Personal Protective Equipment | Use protective gloves made of rubber (natural, latex) | | | |
| Ventilation | Well ventilated area | | | |
| Respirators | No specific recommendation made, but respiratory protection must be used if the general level Occupation Exposure Level (OEL) is above normal levels. | | | |

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| Eye Protection | Under normal use should not be required. Always direct nozzle away from the face. |
| Other Protection | Use in well ventilated area. |

Section 9 - Physical and Chemical Properties

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| Appearance | Colourless gas | | |
| Odour | Mild (or faint), disagreeable | | |
| Physical Data Comments | This product is an aerosol using hydrocarbon propellants. The flammability data is based on these hydrocarbons. | | |
| Solubility | Slightly soluble in water. | | |
| Specific Gravity (Water = 1) | 0.599 @ 20°C | Mol Weight (AT WT) | 58.14 |
| Vapour Pressure (mmHg) | 1520 @ 18°C | Vapour density (air = 1) | 2.05 |
| Melting Point | -137°C | | |
| Flash Point | -60°C | Flash Point Method | CC (closed cup) |
| Auto Ignition Temperature | 405°C | | |
| Flammability Limit | Lower % 1.90 Upper % 8.50 | | |

Section 10 - Stability and Reactivity

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| Stability | Avoid heat, sparks and flames. |
| Reactivity | Material to avoid: Strong oxidizing agents Conditions to avoid: Evaporates easily in air. Reacts strongly with oxidizers. |
| Hazardous Decomposition Products | Toxic gases/vapours/fumes of carbon monoxide (CO), carbon dioxide (CO2). |

Section 11 - Toxicological Information

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| Toxic Conc. -LC50 | 680 ppm/2h (inh-mus) |
| Target Organs | Central nervous system, eyes, respiratory system and lungs |
| Health Warnings | Gas or vapour displaces oxygen available for breathing (asphyxiant). Narcotic effect |
| Medial Symptoms | May cause suffocation. Dizziness. |
| Acute and Chronic Health Hazards | Contact with liquid form may cause frostbite. |

Section 12 - Ecological Information

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| Ecotoxology | Not applicable |
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Section 13 - Disposal Considerations

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| Disposal Methods | Vent to atmosphere |
| Empty Containers | Dispose of empty containers without puncturing. DO NOT INCINERATE |

Section 14 - Transport Information

Transport of Dangerous Goods
Pictograms



Air & Sea & Road/Rail Transport

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|----------------------|--------------------------|
| UN Number | UN2037 |
| Class-Primary | 2, Sub Class: 2.1.1A |
| Packing Group | n/a - Flammable Gas |
| Proper Shipping Name | Butane Gas Lighter Fluid |
| Hazchem Code | 2WE |

Section 15 - Regulatory Information

Group Standard Gas Under Pressure Mixtures (Flammable)
Group Standard 2017 - HSR002532

HSNO Classifications 2.1.1A

GHS Pictogram



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|----------------|------|---|
| Risk Phrases | R10 | Flammable |
| Safety Phrases | S-9 | Keep in container in well ventilated place |
| | S-16 | Keep away from sources of ignition – NO SMOKING |
| | S-33 | Take precautionary measures against static discharges |

Section 16 - Other Information

User Notes This product is supplied in an aerosol form using a highly flammable gas as a propellant. Properly used for the intended purpose and in accordance to this safety data sheet should not present any undue hazard.

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