# Safety Data Sheet

## Hazardous, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

**Product Name:** GAS LIGHTER

**Synonyms**
Basic Gas Lighter
Premium Gas Lighter
Flexible Gas Lighter
Flip Flame Gas Lighter
Click Flame Gas Lighter
Stick Flame Gas Lighter
Extenda Flame Gas Lighter

**Product Code**

**Recommended Use:** BBQ, Gas, Kitchen gas lighter


**Supplier:** Denbies Group Pty Ltd
**ABN:** 56 623 145 540
**Street Address:** 2 Jamieson Way
Dandenong South VIC 3175
**Telephone:** +61 3 9796 5811


**Emergency Telephone Number:** **+61 3 9796 5811 (Bus Hrs: Mon - Fri, 8:30am - 4:30pm, AEST); Poisons Information Centre 13 11 26**

### 2. HAZARDS IDENTIFICATION

**This material is hazardous according to the criteria of Safe Work Australia GHS 7.**

**Signal Word**
Danger

**Hazard Classifications**
Flammable Gases - Category 1A
Gases Under Pressure - Compressed Gas

**Hazard Statements**

| | |
|---|---|
| H220 | Extremely flammable gas. |
| H280 | Contains gas under pressure; may explode if heated. |

**Prevention Precautionary Statements**

| | |
|---|---|
| P102 | Keep out of reach of children. |
| P103 | Read carefully and follow all instructions. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |

**Response Precautionary Statements**

| | |
|---|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P377 | Leaking gas fire: Do not extinguish, unless leak can be stopped safely. |
| P381 | In case of leakage, eliminate all ignition sources. |

**Storage Precautionary Statements**

| | |
|---|---|
| P403 | Store in a well-ventilated place. |
| P410+P403 | Protect from sunlight. Store in a well-ventilated place. |

**Disposal Precautionary Statement**
Not allocated

**Poison Schedule:** Not Applicable

**DANGEROUS GOOD CLASSIFICATION**

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Dangerous Goods Class:** 2.1

## 3. COMPOSITION INFORMATION

| CHEMICAL ENTITY | CAS NO | PROPORTION |
|---|---|---|
| Butane | 106-97-8 | >60 % (w/w) |
| Isobutane | 75-28-5 | 10 - 30 % (w/w) |
| Propane | 74-98-6 | 10 - 30 % (w/w) |
| Ingredients determined to be Non-Hazardous | | Balance |
| | | 100% |

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance. For freeze burns, immediately flood burnt area with plenty of warm water (40 - 44 °C) and cover with a clean, dry dressing. Seek immediate medical assistance.

**Eye Contact:** If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice. For freeze burns, Immediately irrigate with copious quantities of warm (40 - 44 °C) water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**PPE for First Aiders:** Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to Physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:**

**Suitable Extinguishing Media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific Hazards:** Extremely flammable gas. Contains gas under pressure; may explode if heated. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Fire Fighting Further Advice:** Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILLS**
Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of gas. If safe to do so, isolate the leak. Increase ventilation to assist with dispersion.

**LARGE SPILLS**
If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Use a spark-free shovel. If safe to do so, isolate the leak. Increase ventilation to assist with dispersion. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods - Initial Emergency Response Guide No:** 115

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Do not expose to temperatures exceeding 50 °C/122 °F Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Division 2.1 Flammable Gas as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Occupational Exposure Limits:**

| | TWA | | STEL | | NOTICES |
|---|---|---|---|---|---|
| | ppm | mg/m3 | ppm | mg/m3 | |
| Butane | 800 | 1900 | | | - |
| Propane | | | | | - |

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. When using this material, use explosive dust handling controls to minimise airborne dust and eliminate all ignition sources. Keep away from heat, hot surfaces, sparks and flame; prevent the build-up of static charges with appropriate earthing of equipment and personnel.

**Personal Protection Equipment:** SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene Measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Form:** | Gas |
| **Colour:** | Yellow and black container, clear gas |
| **Odour:** | Characteristic |

| | |
|---|---|
| **Solubility:** | N Av |
| **Specific Gravity:** | N Av |
| **Relative Vapour Density (air=1):** | N Av |
| **Vapour Pressure:** | N Av |
| **Flash Point (°C):** | N Av |
| **Explosion/Flammability Limits:** | N Av |
| **Autoignition Temperature (°C):** | N Av |
| **Melting/Freezing Point/Range (°C):** | N Av |
| **Boiling Point/Range (°C):** | N Av |
| **pH:** | N App |
| **Viscosity:** | N Av |
| **Total VOC (g/Litre):** | N Av |

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** This material is thermally stable when stored and used as directed.

**Conditions to Avoid:** Elevated temperatures and sources of ignition.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous Reactions:** No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

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:

**Acute Effects**

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract.

**Skin Contact:** Contact with skin may result in irritation. Liquid splashes or spray may cause freeze burns.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye Contact:** May be an eye irritant. Liquid splashes or spray may cause freeze burns to the eye.

**Acute Toxicity**

**Inhalation:** This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): $LC_{50}$ > 20,000 ppm for gases

**Skin Contact:** This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): $LD_{50}$ > 2,000 mg/Kg bw

**Ingestion:** This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): $LD_{50}$ > 2,000 mg/Kg bw

**Corrosion/Irritancy:** Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**Aspiration Hazard:** This material has been classified as not an aspiration hazard.

**Specific Target Organ Toxicity (Single Exposure):** This material has been classified as not a specific hazard to target organs by a single exposure.

**Chronic Toxicity**

**Mutagenicity:** This material has been classified as not a mutagen.

**Carcinogenicity:** This material has been classified as not a carcinogen.

**Reproductive Toxicity (Including via Lactation):** This material has been classified as not a reproductive toxicant.

**Specific Target Organ Toxicity (Repeat Exposure):** This material has been classified as not a specific hazard to target organs by repeat exposure.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute Aquatic Hazard:** This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L

**Long-Term Aquatic Hazard:** This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log $K_{ow}$ < 4.

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulative Potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

**ROAD AND RAIL TRANSPORT**
Classified as Dangerous Goods by the criteria of the “Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".


| | |
|---|---|
| **UN No:** | 1057 |
| **Dangerous Goods Class:** | 2.1 |
| **Packing Group:** | None |
| **Hazchem Code:** | |
| **Emergency Response Guide No:** | 115 |
| **Limited Quantities** | NONE |
| **Proper Shipping Name:** | LIGHTERS |

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable liquids (Class 3), if both are in bulk, flammable solids (Class 4.1), spontaneously combustible substances (Class 4.2), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7). Exemptions may apply.

**MARINE TRANSPORT**
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.


| | |
|---|---|
| **UN No:** | 1057 |
| **Dangerous Goods Class:** | 2.1 |
| **Packing Group:** | None |
| **Limited Quantities:** | NONE |
| **Proper Shipping Name:** | LIGHTERS |

**AIR TRANSPORT**
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.


| | |
|---|---|
| **UN No:** | 1057 |
| **Dangerous Goods Class:** | 2.1 |
| **Packing Group:** | None |
| **Limited Quantities:** | - |
| **Proper Shipping Name:** | LIGHTERS |

## 15. REGULATORY INFORMATION

**This Material is not Subject to the Following International Agreements:**
Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

**This Material/Constituent(s) is Covered by the Following Requirements:**

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): Not Applicable.

AICIS Status: All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

## 16. OTHER INFORMATION

Reason for issue: Revised

This Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd on behalf of its client.

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This information was prepared in good faith from the best information available at the time of issue. It is based on

the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.