


BLAZER PRODUCTS

Safety Data Sheet

| Section 1 PRODUCT IDENTIFICATION | |
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| Product Name | Liquefied Petroleum Gas, Butane |
| Recommended Use | As an ignition fuel for butane torches and lighters |
| Synonyms/Trade Names | Butane, Blazer Butane |
| Restrictions on Use | None known |
| Manufacturer | Blazer Products, 88 Allen Blvd Farmingdale, NY USA 11735 |
| Emergency Phone Number | Chemtrec 800-424-9300 |

| Section 2 HAZARD IDENTIFICATION | |
|---------------------------------|--|
| DANGER |  Highly flammable liquid and vapor |
| GHS Classification | Flammable Gas Category 1 Gas under pressure, Liquefied gas |
| Hazard Statement | Extremely flammable gas Contains gas under pressure May cause drowsiness and dizziness |
| Prevention | Keep away from heat, sparks, open flame and hot services. No Smoking. Avoid inhaling. Use in well ventilate area. |

| Section 3 COMPOSITION/INFORMATION ON INGREDIENTS | | | | |
|--|-----------------------------|--------------|--|--|
| Hazardous Components (chemical & common names) | Approximate Concentration % | C.A.S Number | | |
| Petroleum Hydrocarbon | | 106-97-8 | | |
| Liquefied Petroleum Gas | 56.5120 | | | |
| N Butane | 17.2794 | | | |
| Iso-Butane | 25.7867 | | | |
| Propane | 0.4219 | | | |

| Section 4 FIRST AIR MEASURES | |
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| Inhalation | If adverse effects occur, remove to fresh air. If breathing is difficult oxygen should be administered by qualified personnel. Seek medical attention if required. |
| Eyes | Flush eyes with plenty of water for at least 15 minutes and seek medical advice. |
| Skin Contact | Wash immediately with plenty of water. If frostbite occurs seek medical attention. |
| Ingestion | If a large amount is swallowed do not induce vomiting. Seek medical attention. |

| Section 5 FIRE-FIGHTING MEASURES | |
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| Specific Hazards | Severe explosion hazard. Vapor/air mixture are explosive. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. |
| Extinguishing Media | Use dry chemical, CO2 or appropriate foam |
| Fire Fighting Methods and Protection | Wear full fire-fighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure. |
| Hazardous Combustion Products | Carbon dioxide, Carbon monoxide. |

| Section 6 ACCIDENTAL RELEASE MEASURES | |
|---------------------------------------|---|
| Personal Precautions | Wear personal protective clothing including respiratory protection as warranted. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. |
| Environmental Precautions | Avoid release to the environment. |
| Containment Methods | Use dry chemical, CO2 or appropriate foam. Do not touch spilled material. Reduce waters with water spray. Contain with foam. |
| Cleanup Methods | Remove sources of ignition. Isolate area. Ventilate closed spaces. |

| Section 7 HANDLING AND STORAGE | |
|--------------------------------|---|
| Handling Procedures | Keep away from heat and ignition sources. Use only with adequate ventilation. Wash thoroughly after handling. |
| Storage Procedures | Store in a cool/low temperature, well-ventilated place away from heat and ignition. |
| Incompatibilities | Oxidizing materials. |

| Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION | |
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| Component Exposure Limits | |
| Iso Butane | 800 ppm (1900 mg/m3) NIOSH recommended TWA 10 hour(s) |
| Liquefied Petroleum Gas | 1000 ppm (1800 mg/m3) OSHA TWA 1000 ppm ACGIH TWA 1000 ppm (1800 mg/m3) NIOSH recommended TWA 10 hour(s) |
| N Butane (106-97-8) | ACGIH 1000 ppm STEL |
| Engineering Controls | Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits. |
| Personal Protective Equipment | |
| Eyes/Face | For the gas: Eye protection not required, but recommended. For the liquid: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. |
| Protective Clothing | For the gas: Protective clothing is not required. For the liquid: Wear appropriate protective, cold insulating clothing. |
| Gloves | Wear insulated gloves. |
| Respirator | The following respirators and maximum use concentrations are drawn from NIOSH and/or OSHA. 2000 ppm - Any supplied-air respirator. Any self-contained breathing apparatus with a full face piece. Escape - Any appropriate escape-type, self-contained breathing apparatus. For Unknown Concentrations or Immediately Dangerous to Life or Health - Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full face piece. |

| Section 9 PHYSICAL AND CHEMICAL PROPERTIES | | | |
|--|-----------------|------------------------|----------------|
| Physical State | Liquefied gas | Appearance/Description | Colorless, gas |
| Color | Colorless | Physical Form | Gas |
| Odor | Unpleasant odor | Odor Threshold | 6.16 ppm |
| Boiling Point | -0.5 C | Flash Point | 120°F |
| Decomposition | N/A | Evaporation Rate | N/A |
| Vapor Density (Air=1) | 2.0 | Specific Gravity | 0.60 |
| Solubility in Water | Slight | Vapor Density (Air=1) | 2.0 |

| Section 10 STABILITY AND REACTIVITY | | | |
|-------------------------------------|--|------------------------|---------------------------------|
| Reactivity | No reactivity is expected | Chemical Stability | Stable at normal temp, pressure |
| Hazardous Polymerize | Will not occur | Incompatible Materials | Oxidizing materials |
| Hazardous Decomposition | Oxides of carbons | Odor Threshold | 6.16 ppm |
| Conditions to Avoid | Heat, flames, sparks and other sources of ignition | | |

| Section 11 TOXICOLOGICAL INFORMATION | | | |
|--|--|--|--|
| Acute and Chronic Toxicity. Component Analysis –LD50/LC50 The components of this material have been reviewed in various sources and the following selected endpoints are published. Inhalation LC50 rat 658 g/m ³ 4 h | | | |
| RTECS Acute Toxicity (selected) The components of this material have been reviewed, and RTECS publishes the following endpoints; | | | |
| N-Butane (106-97-8) | Inhalation: | 680000 mg/m ³ /2 hour Inhalation Mouse LC50 | |
| | | 658000 mg/m ³ /4 hour Inhalation Rat LC50 | |
| Acute Toxicity Level | | | |
| Non Toxic | Inhalation | Immediate Effects | Frostbite, central nervous system effects. |
| Delayed Effects | No information on significant adverse effects. | | |
| Component Carcinogenicity | | None of this products components are listed by OSHA, ACGIH, DFG, IARC or NTP | |
| Delayed Effects | No information on significant adverse effects. | | |
| Chronic Effects | | | |
| Mutagenic | None known. | Respiratory Sensitizer | No data available. |
| Aspiration Hazard | Not applicable. | Reproductive Effects Data | No data available |
| Dermal Sensitizer | No data available | Medical Conditions Aggravated by Exposure | None known. |

| Section 12 ECOLOGICAL INFORMATION | | | |
|-----------------------------------|-------------------|----------------------------|--|
| Persistence and Degradability | No available data | Bio accumulative Potential | Bioconcentration potential in aquatic organisms is moderate. |
| Mobility in Soil | Low | Other Adverse Effects | No available data |

| Section 13 DISPOSAL CONSIDERATIONS | |
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| Disposal Methods | Dispose in accordance with local regulations. Subject to disposal regulations: US EPA 40 CFR 262 Hazardous Waste Number(s): D001 |

| Section 14 TRANSPORT INFORMATION | | | | | |
|---|--------|----------------|--------|--------------------------|-----|
| US DOT Information Shipping Name | Butane | UN/NA # | UN1075 | Required label(s) | 2.1 |
| IMDG Information Shipping Name | Butane | UN/NA # | UN1075 | Required label(s) | 2.1 |

| Section 15 REGULATORY INFORMATION | |
|---|--|
| U.S. Federal Regulations: None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan. | |

| Section 16 OTHER INFORMATION | |
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| Last Revision Date | 5/1/2014 |
| Preparation Date | 6/1/2014 |
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