

# Material Safety Data Sheet

Material Name: Butane Gas Lighter

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

### Supplier Information

Ultimate Brands LLC.  
310 Mason Creek Dr., Suite 120  
Katy, TX 77450

Phone: 832-759-5202  
Fax: 832-759-5203  
24 HOUR EMERGENCY TELEPHONE NUMBER.1-800-535-5053

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

Flammable gas. Product as manufactured is meant to contain butane gas. If damaged and gas is released, may cause explosion or fire.

### Potential Health Effects: Eyes

Gas is non-irritating. On direct eye contact with liquefied/pressurized gas or frost particles may produce severe and possibly permanent eye damage from freeze burns.

### Potential Health Effects: Skin

Solid and liquid gas may cause freeze burns.

### Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use. May cause gastrointestinal irritation if swallowed.

### Potential Health Effects: Inhalation

May affect central nervous system if inhaled in oxygen deficient atmosphere.

### HMIS Ratings: Health: 1 Fire: 4 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

| CAS #    | Component | Percent |
|----------|-----------|---------|
| 75-28-5  | Isobutane | 97      |
| 106-97-8 | Butane    | 3       |

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

### First Aid: Skin

Frozen tissue should be flooded or soaked with warm water. Seek medical attention.

### First Aid: Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical personnel.

### First Aid: Inhalation

Move person to non-contaminated air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.  
Flammable Gas.

### Hazardous Combustion Products

Oxides of carbon and other harmful substances.

### Extinguishing Media

Use dry chemical, CO2, and halogenated extinguishing agents.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

### NFPA Ratings: Health: 1 Fire: 4 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Ensure that spilled material is not discharged into sewers and water bodies. Notify appropriate authorities of any release.

### Clean-Up Procedures

Keep flames and other sources of ignition away from spill area. Large spills of liquefied gas should be absorbed using vermiculite or other non-reacting absorbent material. Dispose of in accordance with federal, state, and local regulations.

### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

### Special Procedures

None

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

No special handling needed.

### Storage Procedures

Store in a cool, dry place and away from sources of ignition.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### A: Component Exposure Limits

#### Isobutane (75-28-5)

ACGIH: 1000 ppm TWA (listed under Aliphatic hydrocarbon gases: Alkane C1-C4)

NIOSH: 800 ppm TWA; 1900 mg/m3 TWA

#### Butane (106-97-8)

ACGIH: 1000 ppm TWA (listed under Aliphatic hydrocarbon gases: Alkane C1-C4)

OSHA: 800 ppm TWA; 1900 mg/m3 TWA

NIOSH: 800 ppm TWA; 1900 mg/m3 TWA

### Engineering Controls

Use in well ventilated areas.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Not required under normal product use conditions.

#### Personal Protective Equipment: Skin

Not required under normal product use conditions.

#### Personal Protective Equipment: Respiratory

Not required under normal product use conditions.

#### Personal Protective Equipment: General

None

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

**Appearance:** Colorless  
**Physical State:** Liquid or gas  
**Vapor Pressure:** 2700 mm Hg  
**Boiling Point:** -0.5°C  
**Solubility (H2O):** 20°C Slight  
**Evaporation Rate:** ND  
**Octanol/H2O Coeff.:**  
**Flash Point Method:** ND  
**Lower Flammability Limit (LFL):** ND  
**Auto Ignition:** ND

**Odor:** Slight  
**pH:** ND  
**Vapor Density:** 19 Air = 1  
**Melting Point:** -185°C  
**Specific Gravity:** <1,0 @ 15°C  
**VOC:** ND  
**Flash Point (Minumum):** -117°F (EST)  
**Upper Flammability Limit (UFL):** ND  
**Burning Rate:** ND

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## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

Extreme heat and ignition sources.

### Incompatibility

Acids, alkalis, and oxidizers.

### Hazardous Decomposition

Oxides of carbon

### Possibility of Hazardous Reactions

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - LD50/LC50

##### Isobutane (75-28-5)

Inhalation LC50 Rat: 658 mg/L/4H

##### Butane (106-97-8)

Inhalation LC50 Rat: 658 mg/L/4H

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

### Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### US DOT Information

Shipping Name: Lighters

UN #: 1057 Hazard Class: 2.1

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

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## Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

## State Regulations

### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

| Component | CAS      | CA  | MA  | MN  | NJ  | PA  | RI  |
|-----------|----------|-----|-----|-----|-----|-----|-----|
| Isobutane | 75-28-5  | No  | Yes | No  | Yes | Yes | No  |
| Butane    | 106-97-8 | Yes | Yes | Yes | Yes | Yes | Yes |

### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

| Component | CAS #    | Minimum Concentration |
|-----------|----------|-----------------------|
| Butane    | 106-97-8 | 1 %                   |

## Additional Regulatory Information

### Component Analysis - Inventory

| Component | CAS #    | TSCA | CAN | EEC    |
|-----------|----------|------|-----|--------|
| Isobutane | 75-28-5  | Yes  | DSL | EINECS |
| Butane    | 106-97-8 | Yes  | DSL | EINECS |

## \* \* \* Section 16 - Other Information \* \* \*

### Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.