

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

Identity (As Used on Label and List)

BUTANE

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION I

Supplier's Name

Bernz-O-matic

Emergency Telephone Number

585-798-4949

Address

Number, Street, City, State and ZIP Code

**One BernzOmatic Drive
 Medina, NY 14103**

Telephone Number for Information

585-798-4949

Date Prepared

November 10, 2005

Signature of Preparer (Optional)

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components

Specific Chemical Identity, Common Name(s)

Butane C₄H₁₀

OSHA PEL

ACGIH TLV

Other Limits Recommended

% (optional)

800 ppm

NFPA HAZARD RATINGS

**Health
 Flammability
 Reactivity**

HMIS RATINGS

**Health
 Flammability
 Reactivity**

Notes:

SECTION III - Physical / Chemical Characteristics

Boiling Point

11°F

Specific Gravity (H₂O - 1)

.58

Vapor Pressure (mm Hg)

31 PSIG @70°F

Melting Point

N/A

Vapor Density (AIR=1)

2.0

Evaporation Rate

Butyl Acetate -1)

N/A

Solubility in Water

Negligible

Appearance and Odor

Colorless - Rotten Egg (Sulfur) Odor

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

-101°F

Flammable Limits

LEL

UEL

1.8

8.4

Extinguishing Media

CO₂, Foam, Class "B" or "C" Extinguishers

Special Fire Fighting Procedures

Use Water to Cool Tanks

Unusual Fire and Explosion Hazards

Heavier than air (Vapor density 2.0). May travel a considerable distance to an ignition source and flash back.

SECTION V - Reactivity Data

Stability →	Unstable Stable X	Conditions to Avoid
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Incompatibility (Materials to Avoid)	N/A
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Hazardous Decomposition or Byproducts	N/A
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Hazardous Polymerization →	May Occur Will Not Occur X	Conditions to Avoid
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SECTION VI - Health Hazard Data

Routes of Entry →	Inhalation? YES	Skin? YES	Ingestion? NO
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Health Hazards (Acute and Chronic)	Burning the fuel may cause Carbon Monoxide (CO)
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Carcinogenicity →	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure	Simple asphyxiant. Exposure to liquid may cause frost burn.
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Medical Conditions Generally Aggravated by Exposure	N/A
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Emergency and First Aid Procedures	Remove person to fresh air.
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Warning	This fuel, and byproducts of combustion of this fuel, contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.
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SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled	Remove ignition sources and ventilate area.
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Waste Disposal Method	
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Precautions to be Taken in Handling and Storing	Store out of direct sunlight at temperatures below 120°F.
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Other Precautions	None
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SECTION VIII - Control Measures

Respiratory Protection (Specify Type)	Not required with normal use.
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Ventilation	Local Exhaust N/A	Mechanical (General) N/A	Special N/A	Other N/A
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Protective Gloves	Not required	Eye Protection	Safety glasses recommended
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Other Protective Clothing or Equipment	Not required
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Work / Hygienic Practices	N/A
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SECTION IX - Shipping Information

WHMIS Classification: A-Compressed Gas & B1-Flammable Gas	Class: 2.1
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DOT	Proper Shipping Name Butane	Hazard Classification Flammable Gas	UN. No. 1011
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