

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

May 8, 2004

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 – 1
 Flammability – 4
 Reactivity – 0**

HMIS RATINGS

**Health – 1
 Flammability – 4
 Reactivity – 0**

Notes:

SECTION III – Physical / Chemical Characteristics

Boiling Point

11°FSpecific 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

Conditions to Avoid

Stable X**Heat, Sparks, Flames, Strong Oxidizers**

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

N/AHazardous Polymerization → **May Occur**

Conditions to Avoid

Will Not Occur X**N/A**

SECTION VI – Health Hazard Data

Routes of Entry →	Inhalation? YES	Skin? YES	Ingestion? NO
-------------------	---------------------------	---------------------	-------------------------

Health Hazards (Acute and Chronic) **Burning the fuel may cause Carbon Monoxide (CO)**

Carcinogenicity →	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
-------------------	--------------------	--------------------------------	-------------------------------

Signs and Symptoms of Exposure **Simple asphyxiant. Exposure to liquid may cause frost burn.**

Medical Conditions Generally Aggravated by Exposure **N/A**

Emergency and First Aid Procedures **Remove person to fresh air.**

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.**

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.**

Waste Disposal Method **Dispose of in accordance with all local, state and federal regulations.**

Precautions to be Taken in Handling and Storing **Store out of direct sunlight at temperatures below 120°F.
Do not puncture or incinerate.**

Other Precautions **None**

SECTION VIII – Control Measures

Respiratory Protection (Specify Type) **Not required with normal use.**

Ventilation →	Local Exhaust N/A	Mechanical (General) N/A	Special N/A	Other N/A
---------------	-----------------------------	------------------------------------	-----------------------	---------------------

Protective Gloves Not required	Eye Protection Safety glasses recommended
--	---

Other Protective Clothing or Equipment **Not required**

Work / Hygienic Practices **N/A**

SECTION IX – Shipping Information

WHMIS Classification A – Compressed Gas B1 – Flammable Gas	Class 2.1		
DOT	Proper Shipping Name Butane	Hazard Classification Flammable Gas	UN. No. 1057