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 1

Supplier's Name
Bernz-O-matic

Address
Number, Street, City, State and ZIP Code
One BernzOmatic Drive
Medina, NY 14103

Emergency Telephone Number
585-798-4949

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)*	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Butane C_4H_{10}		800 ppm		

NFPA HAZARD RATINGS	HMIS RATINGS
Health	Health
Flammability	Flammability
Reactivity	Reactivity

Notes:

SECTION III - Physical / Chemical Characteristics

Boiling Point 11ºF	**Specific Gravity (H_20 - 1)** .58
Vapor Pressure (mm Hg) 31 PSIG @70ºF	**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)	Flammable Limits	LEL	UEL
-101ºF		1.8	8.4

Extinguishing Media
CO_2, 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 →		Conditions to Avoid
	Unstable	
	Stable X	

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

N/A

Hazardous Polymerization →		Conditions to Avoid
	May Occur	
	Will Not Occur X	

SECTION VI - Health Hazard Data

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

Health Hazards (Acute and Chronic)

Burning the fuel may cause Carbon Monoxide (CO)

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

Precautions to be Taken in Handling and Storing

Store out of direct sunlight at temperatures below 120ºF.

Other Precautions

None

SECTION VIII - Control Measures

Respiratory Protection (Specify Type)

Not required with normal use.

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

Protective Gloves	Eye Protection
Not required	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	Hazard Classification	UN. No.
	Butane	Flammable Gas	1011