

JMB - 4

OSHA 174, Sept. 1985

Material Safety Data Sheet

May be used to comply with **REC'D JUN 28 2000**
 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

2165

Identity (As Used on Label and List)

PROPANE

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

716-798-4949

Address

Number, Street, City, State and ZIP Code

Telephone Number for Information

716-798-4949

**One BernzOmatic Drive
 Medina, NY 14103**

Date Prepared

March 5, 1999

Signature of Preparer (Optional)

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components

Specific Chemical Identity, Common Names

PROPANE CAS #74-98-6

OSHA PEL
1000PPM

ACGIH TLV
1000PPM

Other Limits Recommended
NA

% (optional)
100

NFPA HAZARD RATINGS

Health -1
 Flammability -4
 Reactivity -0

HMS RATINGS

Health -0
 Flammability -4
 Reactivity -0

Note: When propane fuel is burned efficiently, the normal by-products of combustion are CO₂ and H₂O. Inefficient burning may add CO to the by-products of combustion.

SECTION III - Physical / Chemical Characteristics

Boiling Point

-44° F

Specific Gravity (H₂O = 1)

Liquid @ 60° F .51

Vapor Pressure (mm Hg)

@ 100° F

197 psig

Melting Point

N/A

Vapor Density (AIR=1)

@ 1 ATM @ 60° F

1.56

Evaporation Rate

Butyl Acetate -1)

N/A

Solubility in Water

Not Soluble

Appearance and Odor

Colorless - Rotten Egg Odor

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

-156° F Closed Cup

Flammable Limits

LEL

2.1

UEL

9.5

Extinguishing Media

Stop flow of gas or oxygen

Special Fire Fighting Procedures

Use water to cool tanks

Unusual Fire and Explosion Hazards

Auto Ignition temp. 842° F Heavier than air (vapor density 1.5).

May travel a considerable distance to a source of ignition and flashback.

SECTION V - Reactivity Data

Stability →

Unstable

Conditions to Avoid

Stable X

N/A

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

None

Hazardous Polymerization →

**May Occur
 Will Not Occur X**

Conditions to Avoid

N/A

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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)
Contact with liquid propane may cause frost burns

Carcinogenicity →	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure
High concentrations may cause headaches and drowsiness.

Medical Conditions Generally Aggravated by Exposure
N/A

Emergency and First Aid Procedures
Remove exposed person from contaminated area.

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
Vent gas to atmosphere in flame free, spark free area outdoors.

Precautions to be Taken in Handling and Storing
Store at temperatures below 120° F in well ventilated, spark free, flame free area.

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
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Protective Gloves
Not required

Eye Protection
Not required

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 Petroleum Gas, Liquefied	Hazard Classification Flammable Gas	UN. No. 1075