

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)

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

**One BernzOmatic Drive
 Medina, NY 14103**

Telephone Number for Information

716-798-4949

Date Prepared

January 12, 2000

Signature of Preparer (Optional)

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components

*Specific Chemical Identity, Common Name(s)***PROPANE CAS #74-98-6**

OSHA PEL

1000PPM

ACGIH TLV

1000PPMOther Limits
Recommended**NA**

% (optional)

100

NFPA HAZARD RATINGS

Health -1**Flammability -4****Reactivity -0**

HMIS 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° FSpecific 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 E

Unstable

Conditions to Avoid

N/A**Stable X**

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

None

Hazardous

Polymerization E

May Occur**Will Not Occur X**

Conditions to Avoid

N/A

SECTION VI - Health Hazard Data

Routes of Entry \bar{E}	Inhalation? YES	Skin? YES	Ingestion? NO
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Health Hazards (Acute and Chronic)

Contact with liquid propane may cause frost burns

Carcinogenicity \bar{E}	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 \bar{E}	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