JMB - 1

OSHA 174, Sept. 1985

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 1

Supplier's Name
Bernz-O-matic

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

Emergency Telephone Number
800-424-9300

Telephone Number for Information
800-654-9011

Date Prepared
June 11, 2008

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)
PROPANE CAS #74-98-6	1000PPM	1000PPM	NA	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 CO_2 and H_20. Inefficient burning may add CO to the by-products of combustion.

SECTION III - Physical / Chemical Characteristics

Boiling Point -44° F

Specific Gravity (H_20 - 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)	Flammable Limits	LEL	UEL
-156° F Closed Cup		2.1	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 / Stable X

Conditions to Avoid 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

SECTION VI - Health Hazard Data

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

Health Hazards (Acute and Chronic)

Contact with liquid propane may cause frost burns.

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

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	Mechanical (General)	Special	Other
	N/A	N/A	N/A	N/A

Protective Gloves	Eye Protection
Not required	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	Hazard Classification	UN. No.
	Petroleum Gas, Liquefied	Flammable Gas	1075