

JMB - 1

OSHA 174, Sept. 1985

Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

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 911. 535. : 411
Address <i>Number, Street, City, State and ZIP Code</i> One BernzOmatic Drive Medina, NY 14103	Telephone Number for Information 911. 765. : 122
	Date Prepared June 11, 2008
	Signature of Preparer (Optional)

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components <i>Specific Chemical Identity, Common Name(s)</i> 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	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° F	Specific Gravity (H ₂ O - 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
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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? 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 DOT	Proper Shipping Name Petroleum Gas, Liquefied	Hazard Classification Flammable Gas	UN. No. 1075