

**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

**1000PPM**Other Limits  
Recommende  
d**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 CO<sub>2</sub> and H<sub>2</sub>O.  
 Inefficient burning may add CO to the by-products of combustion.**

**SECTION III - Physical / Chemical Characteristics**

Boiling Point

**-44° F**Specific Gravity (H<sub>2</sub>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**

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 Ë

**Unstable****Stable X**

Conditions to Avoid

**N/A**

Incompatibility (Materials to Avoid)

**N/A**

Hazardous Decomposition or Byproducts

**None**Hazardous  
Polymerization Ë

**May Occur  
 Will Not Occur X**

Conditions to Avoid

**N/A**

**SECTION VI - Health Hazard Data**

Routes of Entry Ę	Inhalation? <b>YES</b>	Skin? <b>YES</b>	Ingestion? <b>NO</b>
-------------------	---------------------------	---------------------	-------------------------

Health Hazards (Acute and Chronic)  
**Contact with liquid propane may cause frost burns**

Carcinogenicity Ę	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>N/A</b>
-------------------	--------------------	--------------------------------	-------------------------------

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 Ę	Local Exhaust <b>N/A</b>	Mechanical (General) <b>N/A</b>	Special <b>N/A</b>	Other <b>N/A</b>
---------------	-----------------------------	------------------------------------	-----------------------	---------------------

Protective Gloves <b>Not required</b>	Eye Protection <b>Not required</b>
--	---------------------------------------

Other Protective Clothing or Equipment  
**Not required**

Work / Hygienic Practices  
**N/A**

**SECTION IX - Shipping Information**

<b>WHMIS Classification:</b> A - Compressed Gas & B1-Flammable Gas		<b>Class:</b> 2.1	
<b>DOT</b>	<b>Proper Shipping Name</b> Petroleum Gas, Liquefied	<b>Hazard Classification</b> Flammable Gas	<b>UN. No.</b> 1075