

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  
 (Identity (As Used on Label and List))

# 87532  
 Page 1

U.S. Department of Labor  
 Occupational Safety and Health Administration  
 Non-Mandatory Form  
 Form Approved  
 OMB No. 1218-0022

**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 <b>Bernz-O-matic</b>	Emergency Telephone Number <b>716-798-4949</b>
Address Number, Street, City, State and ZIP Code <b>One BernzOmatic Drive Medina, NY 14103</b>	Telephone Number for Information <b>716-798-4949</b>
	Date Prepared <b>March 5, 1999</b>
	Signature of Preparer (Optional)

**SECTION II - Hazardous Ingredients / Identity Information**

Hazardous Components <i>Specify Chemical Identity, Common Name(s)</i>	OSHA PEL	ACGIH TLV	Other Limits Recommended	* (Optional)
<b>PROPANE CAS #74-98-6</b>	<b>1000PPM</b>	<b>1000PPM</b>	<b>NA</b>	<b>100</b>

  

NEPA HAZARD RATINGS	HMS RATING
Health -1	Health -0
Flammability -4	Flammability -4
Reactivity -0	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	<b>44° F</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>Liquid @ 60° F .51</b>
Vapor Pressure (mm Hg) <b>@ 100° F</b>	<b>197 psig</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR=1) <b>@ 1 ATM @ 60° F</b>	<b>1.56</b>	Evaporation Rate Butyl Acetate (1)	<b>N/A</b>
Solubility in Water	<b>Not Soluble</b>		
Appearance and Odor	<b>Colorless - Rotten Egg Odor</b>		

**SECTION IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) <b>-156° F Closed Cup</b>	Flammable Limits	<b>1.1</b>	<b>9.5</b>
Extinguishing Media <b>Stop flow of gas or oxygen</b>			
Special Fire Fighting Procedures <b>Use water to cool tanks</b>			
Unusual Fire and Explosion Hazards <b>Auto ignition temp. 842° F Heavier than air (vapor density 1.6). May travel a considerable distance to a source of ignition and flashback.</b>			

**SECTION V - Reactivity Data**

Stability → <b>Unstable</b>	Conditions to Avoid
<b>Stable X</b>	<b>N/A</b>
Incompatibility (Materials to Avoid)	<b>N/A</b>
Hazardous Decomposition or Byproducts	<b>None</b>
Hazardous Polymerization → <b>May Occur</b>	Conditions to Avoid
<b>Will Not Occur X</b>	<b>N/A</b>

87532

**SECTION VI - Health Hazard Data**

Routes of Entry →	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

# 87532 page 2

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

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
-----	--	--	-----------------