

**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.*

<b>SECTION 2: Supplier Information</b>	
Supplier's Name <b>Bernz-O-matic</b>	Emergency Telephone Number <b>585-798-4949</b>
Address <i>Number, Street, City, State and ZIP Code</i>  <b>One BernzOmatic Drive Medina, NY 14103</b>	Telephone Number for Information <b>585-798-4949</b>
	Date Prepared <b>January 01, 2003</b>
	Signature of Preparer (Optional)

<b>SECTION 3: Hazardous Ingredients/Physical, Chemical, and Biological Hazards</b>				
Hazardous Components <i>Specific Chemical Identity, Common Name(s)</i>  <b>PROPANE CAS #74-98-6</b>	OSHA PEL <b>1000PPM</b>	ACGIH TLV <b>1000PPM</b>	Other Limits Recommended <b>NA</b>	% (optional) <b>100</b>
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.*

<b>SECTION 4: Physical and Chemical Properties</b>			
Boiling Point	<b>-44° F</b>	Specific Gravity (H <sub>2</sub> O - 1) Liquid @ 60° F	<b>.51</b>
Vapor Pressure (mm Hg) @ 100° F	<b>197 psig</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR=1) @ 1 ATM @ 60° F	<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>		

<b>SECTION 5: Fire and Explosion Hazard Data</b>			
Flash Point (Method Used)	<b>-156° F Closed Cup</b>	Flammable Limits	LEL <b>2.1</b> UEL <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 1.5). May travel a considerable distance to a source of ignition and flashback.</b>		

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

**SECTION 2 - HEALTH HAZARD DATA**

Routes of Entry →	Inhalation? <b>YES</b>	Skin? <b>YES</b>	Ingestion? <b>NO</b>
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Health Hazards (Acute and Chronic) **Contact with liquid propane may cause frost burns**

Carcinogenicity →	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>N/A</b>
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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 3 - FIRE AND REACTIVITY DATA**

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 4 - EXPOSURE CONTROLS**

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>
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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 5 - PHYSICAL AND CHEMICAL PROPERTIES**

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