

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	<i>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.</i>
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SECTION I

Supplier's Name Bernz-O-matic	Emergency Telephone Number 585-798-4949
Address <i>Number, Street, City, State and ZIP Code</i> One BernzOmatic Drive Medina, NY 14103	Telephone Number for Information 585-798-4949
	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
NEPA 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 (H₂O - 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
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Incompatibility (Materials to Avoid)
N/A

Hazardous Decomposition or Byproducts
None

Hazardous Polymerization → May Occur Will Not Occur X	Conditions to Avoid N/A
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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
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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