



## Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. This 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)  <b>PROPANE</b>	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.
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### Section I

Manufacturer's Name <b>BernzOmatic</b>	Emergency Telephone Number <b>800-654-9011</b>
Address (Number, Street, City, State, and ZIP Code)  <b>1 Bernzomatic Drive</b>	Telephone Number for Information <b>800-424-9300</b>
<b>Medina, NY 14103</b>	Date Prepared <b>June 11, 2011</b>
	Signature of Preparer (optional)

### Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	US OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
PROPANE (CAS No. 74-98-6)	1000PPM	1000PPM	N/A	100
NFPA HAZARD RATINGS Health - 1 Flammability - 4 Reactivity - 0			HMIS RATINGS Health - 0 Flammability - 4 Reactivity - 0	

**Notes:** 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 197psig	Melting Point:	Not Applicable
Vapor Density (AIR = 1):	@ 1 ATM @ 60° F 1.56	Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Solubility in Water: Insoluble			
Appearance and Odor (At Normal Conditions): 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:	Unstable	NO	Conditions to Avoid:
	Stable	X	N/A
Incompatibility ( <i>Materials to Avoid</i> ): N/A			
Hazardous Decomposition or Byproducts At temperatures above the melting point metal oxide fumes may be evolved.			
Hazardous Polymerization:	May Occur	NO	Conditions to Avoid:
	Will Not Occur	X	N/A

#### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? NO
Health Hazards ( <i>Acute and Chronic</i> ) Contact with liquid propane may cause frost burns.			
Carcinogenicity:	NTP? Not listed as a carcinogen	IARC Monographs? Not listed as a carcinogen	OSHA Regulated? Not listed as a carcinogen
Signs and Symptoms of Exposure: High concentrations may cause headaches and drowsiness.			
Medical Conditions Generally Aggravated by Exposure: Not Applicable			
Emergency and First Aid Procedures: Remove exposed person from contaminated area.			
Warning: This fuel and by-products 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 ( <i>Specify Type</i> ):	Not required with normal use.	
Ventilation:	Local Exhaust – N/A Mechanical (General) – N/A Special – N/A Other – N/A	
Protective Gloves:	Not Required	Eye Protection: Not Required
Other Protective Clothing or Equipment:	Not Required	
Work/Hygienic Practices:	N/A	

## Section IX – Transportation Information

WHMIS Classification:	A – Compressed Gas & B1 – Flammable Gas
Class:	2.1
Proper Shipping Name:	Petroleum Gas, Liquefied
Hazard Classification:	Flammable Gas
UN Number:	1075

## Section X – Additional Information

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