

**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)

**MAPP GAS**

*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 1**

Supplier's Name

**Bernz-O-matic**

Emergency Telephone Number

**585-798-4949**

Address

*Number, Street, City, State and ZIP Code*

**One BernzOmatic Drive  
 Medina, NY 14103**

Telephone Number for Information

**585-798-4949**

Date Prepared

**November 10, 2005**

Signature of Preparer (Optional)

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

Hazardous Components

*Specific Chemical Identity, Common Name(s)*

**Liquefied Petroleum Gas w/ Methylacetylene  
 Liquefied Petroleum Gas CAS NO. 68476-85-7  
 Methyl Acetylene-Propadiene CAS NO. 56960-91-9**

OSHA PEL

**N/A  
 1000PPM  
 1000PPM**

ACGIH TLV

**N/A**

Other Limits Recommended

**N/A**

% (optional)

**56.0  
 44.0**

NFPA HAZARD RATINGS

**Health -2  
 Flammability -4  
 Reactivity -2**

HMIS RATINGS

**Health -0  
 Flammability -4  
 Reactivity -2**

**Notes****SECTION III - Physical / Chemical Characteristics**

Boiling Point

**-54° F to -10° F**Specific Gravity (H<sub>2</sub>O - 1)**0.571**

Vapor Pressure (mm Hg)

**@ 70° F  
 97 psig**

Melting Point

**N/A**

Vapor Density (AIR=1)

**1.48**

Evaporation Rate

Butyl Acetate -1)

**N/A**

Solubility in Water

**Slight**

Appearance and Odor

**Colorless - unpleasant odor at approx. 100ppm****SECTION IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)

**Closed Cup -156° F**

Flammable Limits

**In air by volume**

LEL

**3.0**

UEL

**11.0**

Extinguishing Media

**Eliminate oxygen source or stop flow of gas. Use water to cool cylinder.  
 Dry chemical or CO<sub>2</sub> to reduce oxygen.**

Special Fire Fighting Procedures

**Cool cylinders with water. Keep personnel away.**

**Unusual Fire and Explosion Hazards Auto Ignition temp. 850° F. Keep ignition sources away from cylinder and  
 continue to cool cylinder until gas flow is shut off. Escaping gas from cylinder may be ignited.**

**SECTION V - Reactivity Data**

Stability →

**Unstable  
 Stable X**

Conditions to Avoid

**Do not expose to temperatures above 125° F.**

Incompatibility (Materials to Avoid)

**Extremely flammable. Avoid uncontrolled contact with oxidizers.**

Hazardous Decomposition or Byproducts

**None**

Hazardous Polymerization →

**May Occur  
 Will Not Occur X**

Conditions to Avoid

**N/A**

**SECTION VI - Health Hazard Data**

Routes of Entry →	Inhalation? <b>YES</b>	Skin? <b>YES</b>	Ingestion? <b>UNLIKELY</b>
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Health Hazards (Acute and Chronic)

**Asphyxiant. May reduce oxygen required for breathing. Liquid gas may freeze skin.**

Carcinogenicity →	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>NO</b>
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Signs and Symptoms of Exposure

**Dizziness to unconsciousness if high concentrations of gas replace oxygen for breathing.**

Medical Conditions Generally Aggravated by Exposure

**N/A**

Emergency and First Aid Procedures

**Remove person to fresh air.. If unconscious, seek medical attention.**

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. Ventilate area.**

Waste Disposal Method

**Vent to atmosphere in outdoor area free of all sources of ignition.**

Precautions to be Taken in Handling and Storing

**Store in well ventilated area away from all ignition sources.  
Store at temperatures below 125° F. Store out of direct sunlight.**

Other Precautions

**N/A****SECTION VIII - Control Measures**

Respiratory Protection (Specify Type)

**Not required with normal use.**

Ventilation →	Local Exhaust <b>Advisable when welding.</b>	Mechanical (General) <b>N/A</b>	Special <b>N/A</b>	Other <b>N/A</b>
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Protective Gloves <b>Advisable when welding.</b>	Eye Protection <b>Use filter shade No. 4 or darker when welding.</b>
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Other Protective Clothing or Equipment

**N/A**

Work / Hygienic Practices

**N/A****SECTION IX - Shipping Information**

WHMIS Classification: A - Compressed Gas & B1-Flammable Gas		Class: 2.1	
DOT	Proper Shipping Name Methyl Acetylene and Propadiene Mixtures, Stabilized	Hazard Classification Flammable Gas	UN. No. 1060