

**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.*

<b>SECTION 1: Identification</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 2: Hazardous Ingredients / Identity Information</b>				
Hazardous Components <i>Specific Chemical Identity, Common Name(s)</i> <b>Liquefied Petroleum Gas w/ Methylacetylene Liquefied Petroleum Gas CAS NO. 68476-85-7 Methyl Acetylene-Propadiene CAS NO. 56960-91-9</b>	OSHA PEL <b>N/A 1000PPM 1000PPM</b>	ACGIH TLV <b>N/A</b>	Other Limits Recommended <b>N/A</b>	% (optional) <b>56.0 44.0</b>
NFPA HAZARD RATINGS <b>Health -2 Flammability -4 Reactivity -2</b>	HMIS RATINGS <b>Health -0 Flammability -4 Reactivity -2</b>			

Notes

<b>SECTION 3: Physical, Chemical, and Stability Data</b>	
Boiling Point <b>-54° F to -10° F</b>	Specific Gravity (H <sub>2</sub> O = 1) <b>0.571</b>
Vapor Pressure (mm Hg) <b>@ 70° F 97 psig</b>	Melting Point <b>N/A</b>
Vapor Density (AIR=1) <b>1.48</b>	Evaporation Rate Butyl Acetate - 1) <b>N/A</b>
Solubility in Water <b>Slight</b>	
Appearance and Odor <b>Colorless - unpleasant odor at approx. 100ppm</b>	

<b>SECTION 4: Fire and Explosion Hazards</b>			
Flash Point (Method Used) <b>Closed Cup -156° F</b>	Flammable Limits In air by volume	LEL <b>3.0</b>	UEL <b>11.0</b>
Extinguishing Media <b>Eliminate oxygen source or stop flow of gas. Use water to cool cylinder. Dry chemical or CO<sub>2</sub> to reduce oxygen.</b>			
Special Fire Fighting Procedures <b>Cool cylinders with water. Keep personnel away.</b>			
Unusual Fire and Explosion Hazards <b>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.</b>			

<b>SECTION 5: Reactivity Data</b>	
Stability → <b>Unstable Stable X</b>	Conditions to Avoid <b>Do not expose to temperatures above 125° F.</b>
Incompatibility (Materials to Avoid) <b>Extremely flammable. Avoid uncontrolled contact with oxidizers.</b>	
Hazardous Decomposition or Byproducts <b>None</b>	
Hazardous Polymerization → <b>May Occur Will Not Occur X</b>	Conditions to Avoid <b>N/A</b>

<b>Routes of Entry →</b>	<b>Inhalation? YES</b>	<b>Skin? YES</b>	<b>Ingestion? UNLIKELY</b>
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**Health Hazards (Acute and Chronic)**  
**Asphyxiant. May reduce oxygen required for breathing. Liquid gas may freeze skin.**

<b>Carcinogenicity →</b>	<b>NTP? N/A</b>	<b>IARC Monographs? N/A</b>	<b>OSHA Regulated? 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.**

**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**

**Respiratory Protection (Specify Type)**  
**Not required with normal use.**

<b>Ventilation →</b>	<b>Local Exhaust Advisable when welding.</b>	<b>Mechanical (General) N/A</b>	<b>Special N/A</b>	<b>Other N/A</b>
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**Protective Gloves**  
**Advisable when welding.**

**Eye Protection**  
**Use filter shade No. 4 or darker when welding.**

**Other Protective Clothing or Equipment**  
**N/A**

**Work / Hygienic Practices**  
**N/A**

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