



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) 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.
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Section I

Manufacturer's Name BernzOmatic	Emergency Telephone Number 800-424-9300
Address (Number, Street, City, State, and ZIP Code) One BernzOmatic Drive	Telephone Number for Information 800-654-9011
Medina, NY 14103	Date Prepared June 11, 2011
	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)
Liquefied Petroleum Gas w/ Methylacetylene	N/A	N/A	N/A	
Liquefied Petroleum Gas (CAS No. 68476-85-7)	1000ppm			56.0%
Methyl Acetylene-Propadiene (CAS No. 56960-91-9)	1000ppm			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 ₂ 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 (At Normal Conditions): Colorless - unpleasant odor at approx. 110ppm			



Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): Closed Cup -144° 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 ₂ to reduce oxygen.			
Special Fire Fighting Procedures: Cool cylinders with water. Keep personnel away.			
Unusual Fire and Explosion Hazards: Auto ignition temperature 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		Conditions to Avoid:
	Stable	X	Do not expose to temperatures about 125° F.
Incompatibility (<i>Materials to Avoid</i>): Extremely flammable. Avoid uncontrolled contact with oxidizers.			
Hazardous Decomposition or Byproducts: N/A			
Hazardous Polymerization:	May Occur		Conditions to Avoid:
	Will Not Occur	X	N/A

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? UNLIKELY
Health Hazards (<i>Acute and Chronic</i>): Asphyxiant. May reduce oxygen required for breathing. Liquid gas may freeze skin.			
Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? NO
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 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 all 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 ignition sources. Store at temperatures below 125° F. Store out of direct sunlight.
Other Precautions:	N/A

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>):	Not required with normal use.	
Ventilation:	Local Exhaust – Advisable when welding. Mechanical (General) – N/A Special – N/A Other – N/A	
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	

Section IX - Special Precautions

Precautions to be taken in Handling and Storing:	None
Other Precautions:	None

Section X – Transportation Information

WHMIS Classification:	A – Compressed Gas & B1 – Flammable Gas
Class:	2.1
Proper Shipping Name:	Methyl Acetylene and Propadiene Mixtures. Stabilized.
Hazard Classification:	Flammable Gas
UN Number:	1060



Section XI – Additional Information

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