

Bernzomatic

HMIS

NFPA

Mapp Gas

2

HEALTH	0
FIRE	4
REACTIVITY	2
PPE	



SECTION 1 : Chemical Product and Company Identification

MSDS Name: Mapp Gas

Manufacturer Name: Bernzomatic

Manufacturer MSDS Revision Date:

June 11, 2008

NFPA

Health: 2

Flammability: 4

Reactivity: 2

Other:

HMIS

Health Hazard: 0

Fire Hazard: 4

Reactivity: 2

Personal Protection:

Distributor Name: Bernzomatic

Distributor Address:

One BernzOmatic Drive
Medina, NY 14103

Emergency Telephone Number:
585-798-4949

Distributor Telephone: 585-798-4949

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

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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Product Codes:



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SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name Liquefied Petroleum Gas w/Methylacetylene			
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OSHA PEL TWA: Not applicable

ACGIH TLV TWA: Not applicable

Other Exposure Guidelines:

Other Limits Recommended: Not applicable

Common Name: Liquefied Petroleum Gas w/Methylacetylene

Chemical Name Liquefied Petroleum Gas	CAS# 68476-85-7	Percent (Optional): 56.0%	
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OSHA PEL TWA: 1000 ppm

Common Name: Liquefied Petroleum Gas

Chemical Name Methyl Acetylene- Propadiene	CAS# 56960-91-9	Percent (Optional): 44.0%	
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OSHA PEL TWA: 1000 ppm

Common Name: Methyl Acetylene-Propadiene

NFPA HAZARD RATINGS:

Health - 2

Flammability - 4

Reactivity - 2

HMIS RATINGS:

Health - 0

Flammability - 4

Reactivity - 2



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SECTION 3 : Physical And Chemical Characteristics

Color:

Colorless

Odor:

Unpleasant odor at approx. 100 ppm

Vapor Pressure:

(mm Hg) @ 70 deg F: 97 psig

Vapor Density:

(AIR=1): 1.48

Boiling Point:

-54 deg F to -10 deg F

Melting Point:

Not applicable

Solubility:

In Water: Slight

Specific Gravity:

(H2O - 1): 0.571

Evaporation Point:

(Butyl Acetate - 1): Not applicable

FlashPoint:

-144 deg F

Auto Ignition Temp:

850 deg F.

Upper Flammable Explosive Limit:

In air by volume: 11.0

Lower Flammable Explosive Limit:

In air by volume: 3.0



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SECTION 4 : Fire And Explosion Hazards

Flash Point:

-144 deg F

Flash Point Method:

Closed Cup

Upper Flammable or Explosive Limit: In air by volume: 11.0

Lower Flammable or Explosive Limit: In air by volume: 3.0

Auto Ignition Temperature: 850 deg F.

Extinguishing Media:

Eliminate oxygen source or stop flow of gas. Use water to cool cylinder. Dry chemical or CO2 to reduce oxygen.

Fire Fighting Instructions:

Cool cylinders with water. Keep personnel away.

Unusual Fire Hazards:

Auto Ignition temp. 850 deg 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.



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SECTION 5 : Health Hazards

Applies to All Ingredients:

Route of Exposure:

Inhalation: YES
Skin: YES
Ingestion: UNLIKELY

Potential Health Effects:

(Acute and Chronic): Asphyxiant. May reduce oxygen required for breathing. Liquid gas may freeze skin.

Carcinogenicity:

OSHA Designation: Regulated: No
NTP Designation: Not applicable
IARC Designation: Monographs: Not applicable

Signs/Symptoms:

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

Aggravation of Pre-Existing Conditions:

Not applicable

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.



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SECTION 6 : Emergency And First Aid Procedures

Inhalation:

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



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SECTION 7 : Reactivity Data

Chemical Stability:

Stable.

Conditions to Avoid:

Do not expose to temperatures above 125 deg F.

Incompatibilities with Other Materials:

(Materials to Avoid): Extremely flammable. Avoid uncontrolled contact with oxidizers.

Hazardous Polymerization:

Will Not Occur.

Conditions to Avoid: Not applicable.

Hazardous Decomposition Products:

Not applicable.



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SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

Remove all ignition sources. Ventilate area.

Other Precautions:

Not applicable

Storage:

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

Work Practices:

Not applicable

Hygiene Practices:

Not applicable

Waste Disposal:

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

DOT:

Hazard Classification: Flammable Gas

DOT Shipping Name:

Methyl Acetylene and Propadiene Mixtures, Stabilized

DOT UN Number:

1060

DOT Hazard Class: 2.1



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SECTION 9 : Control Measures

Ventilation System:

Mechanical (General): Not applicable
Special: Not applicable

Local Exhaust:

Advisable when welding.

Other Exhaust Information:

Not applicable

Hand Protection Description:

Protective Gloves: Advisable when welding.

Eye/Face Protection:

Use filter shade No. 4 or darker when welding.

Protective Clothing/Body Protection:

Not applicable

Respiratory Protection:

(Specify Type): Not required with normal use.

Other Protective:

Not applicable

Work/Hygienic Practices: Not applicable



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SECTION 10 : Other Information

Applies to all ingredients:

OSHA 29 CFR 1200:

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

State:

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.

Canada WHMIS:

WHMIS Classification: A - Compressed Gas & B1 - Flammable Gas

HMIS:

Health Hazard: 0

Fire Hazard: 4

Reactivity: 2

NFPA:

Fire Hazard: 4

Health: 2

Reactivity: 2

MSDS Revision Date:

June 11, 2008

OSHA 174, Sept. 1985