

JMB - 1

**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) **AC-9 ACE PROPANE**  
*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 I**

|   |   |
|---|---|
| Supplier's Name<br><b>Bernz-O-matic</b>   | Emergency Telephone Number<br><b>716-798-4949</b>       |
| Address<br><i>Number, Street, City, State and ZIP Code</i><br><br><b>One BernzOmatic Drive<br/>Medina, NY 14103</b> | Telephone Number for Information<br><b>716-798-4949</b> |
|   | Date Prepared<br><b>APRIL 25, 2001</b>                  |
|   | Signature of Preparer (Optional)                        |

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

| Hazardous Components<br><i>Specific Chemical Identity, Common Name(s)</i> | OSHA PEL  | ACGIH TLV      | Other Limits Recommended | % (optional) |
|---|---|----------------|--------------------------|--------------|
| <b>PROPANE CAS #74-98-6</b>   | <b>1000PPM</b>  | <b>1000PPM</b> | <b>NA</b>                | <b>100</b>   |
| NFPA HAZARD RATINGS<br>Health -1<br>Flammability -4<br>Reactivity -0      | HMIS RATINGS<br>Health -0<br>Flammability -4<br>Reactivity -0 |                |                          |              |

*Note: 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<br><b>-44° F</b>                            | Specific Gravity (H <sub>2</sub> O = 1)<br><b>Liquid @ 60° F .51</b> |
| Vapor Pressure (mm Hg)<br><b>@ 100° F 197 psig</b>        | Melting Point<br><b>N/A</b>  |
| Vapor Density (AIR=1)<br><b>@ 1 ATM @ 60° F 1.56</b>      | Evaporation Rate<br>Butyl Acetate -1)<br><b>N/A</b>                  |
| Solubility in Water<br><b>Not Soluble</b>                 |  |
| Appearance and Odor<br><b>Colorless - Rotten Egg Odor</b> |  |

**SECTION IV - Fire and Explosion Hazard Data**

|  |                  |                   |                   |
|--|------------------|-------------------|-------------------|
| Flash Point (Method Used)<br><b>-156° F Closed Cup</b> | Flammable Limits | LEL<br><b>2.1</b> | UEL<br><b>9.5</b> |
|--|------------------|-------------------|-------------------|

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 → <b>Unstable</b><br><b>Stable X</b> | Conditions to Avoid<br><b>N/A</b> |
|--|-----------------------------------|

Incompatibility (Materials to Avoid)  
**N/A**

Hazardous Decomposition or Byproducts  
**None**

|  |                                   |
|--|-----------------------------------|
| Hazardous Polymerization → <b>May Occur</b><br><b>Will Not Occur X</b> | Conditions to Avoid<br><b>N/A</b> |
|--|-----------------------------------|

**SECTION VI - Health Hazard Data**

|                   |                           |                     |                         |
|-------------------|---------------------------|---------------------|-------------------------|
| Routes of Entry → | Inhalation?<br><b>YES</b> | Skin?<br><b>YES</b> | Ingestion?<br><b>NO</b> |
|-------------------|---------------------------|---------------------|-------------------------|

Health Hazards (Acute and Chronic)  
**Contact with liquid propane may cause frost burns**

|                   |                    |                                |                               |
|-------------------|--------------------|--------------------------------|-------------------------------|
| Carcinogenicity → | NTP?<br><b>N/A</b> | IARC Monographs?<br><b>N/A</b> | OSHA Regulated?<br><b>N/A</b> |
|-------------------|--------------------|--------------------------------|-------------------------------|

Signs and Symptoms of Exposure  
**High concentrations may cause headaches and drowsiness.**

Medical Conditions Generally Aggravated by Exposure  
**N/A**

Emergency and First Aid Procedures  
**Remove exposed person from contaminated area.**

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

|               |                             |                                    |                       |                     |
|---------------|-----------------------------|------------------------------------|-----------------------|---------------------|
| Ventilation → | Local Exhaust<br><b>N/A</b> | Mechanical (General)<br><b>N/A</b> | Special<br><b>N/A</b> | Other<br><b>N/A</b> |
|---------------|-----------------------------|------------------------------------|-----------------------|---------------------|

|  |                                       |
|--|---------------------------------------|
| Protective Gloves<br><b>Not required</b> | Eye Protection<br><b>Not required</b> |
|--|---------------------------------------|

Other Protective Clothing or Equipment  
**Not required**

Work / Hygienic Practices  
**N/A**

**SECTION IX - Shipping Information**

|   |   |   |                        |
|---|---|---|------------------------|
| WHMIS Classification: A - Compressed Gas & B1-Flammable Gas |   | Class: 2.1                                    |                        |
| DOT<br><b>DOT</b>   | Proper Shipping Name<br><b>Petroleum Gas, Liquefied</b> | Hazard Classification<br><b>Flammable Gas</b> | UN, No.<br><b>1075</b> |