

MATERIAL SAFETY DATA SHEET

BLUE FLAME GAS, INC.

LIQUEFIED PETROLEUM GAS UN 1075

1402 Industry Rd.
Powder Springs, GA 30127

Section I MATERIAL SAFETY DATA SHEET

Supplier's Name: Blue Flame Gas, Inc. 24 Hour Emergency Response Phone **877 438 2343**

Address: 1402 Industry Rd. Powder Springs, GA 30127

Chemical Name: LIQUEFIED PETROLEUM GAS (PROPANE)

CAS Registry No.: 74-98-6

Chemical Family: Hydrocarbon

WARNING: Danger! Extremely flammable. Compressed Gas
Asphyxiant in high concentrations. Contact with liquid causes
burns similar to frost bite. OSHA permissible exposure limit:
(PEL) 1000 ppm for an 8-hour workday.

Appearance and Odor: Vapor and liquid are colorless. Product
contains an odorant (unpleasant odor).



Section II HAZARDOUS INGREDIENTS

Hazardous Mixtures: Air with 2.15 to 9.60 percent propane

Section III PHYSICAL DATA

Boiling Point: -44 F

Specific Gravity (H₂O = 1): 0.51

Vapor Density (air = 1): 1.52

Solubility in Water: Slightly

Vapor Pressure (PSIG) at 60 F: 105

Percent, Volatile by Volume (%): 100

Evaporation rate: Gas at normal ambient temperatures

Section IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: 156 F(CC)

Flammable Limits - LFL: 2.15 ___UFL: 9.60 Extinguishing Media: Water spray-Class A-B-C or
BC fire extinguisher.

Classification: Flammable Gas UN 1075

Special Fire Fighting Procedures: Stop flow of gas. Use water to keep fire exposed containers cool.
Use water spray to disperse un-ignited gas or vapor. If ignition has occurred and no water available,
tank metal may weaken from overheating. Evacuate area. If gas has not ignited, LP-gas liquid or
vapor may be dispersed by water spray or flooding.

Decomposition Products under Fire Conditions: Fumes, smoke, carbon monoxide, aldehydes and
other decomposition products, in the case of incomplete combustion or when used as an engine fuel.

"EMPTY" Container Warning: "Empty" containers retain residue (liquid and/or vapor) and can be
dangerous. DO NOT PRESSURIZE, CUT WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE
SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY
MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to
remove. All containers should be disposed of in safe manner and in accordance with regulations.

Section V HEALTH HAZARD

OSHA P.E.L.: 1000 PPM ACGIH TLV: 1000 PPM Effects of Overexposure: Inhalation -
concentrations can lead to symptoms ranging from dizziness to anesthesia and respiratory arrest.
Eyes - moderate irritation. Emergency & First Aid procedures: Inhalation - remove to fresh air. Guard
against self-injury. Apply artificial respiration if breathing has stopped. Exposure to skin - Flush with
warm water for 5 minutes or more.

Section VI REACTIVITY DATA

Stable: Unstable: _____ Hazardous Decomposition Products: **None**
Incompatibility (materials to avoid): **Mixing with oxygen or air, except at burner**
Hazardous Polymerization: May occur _____ Will not occur

Section VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released: **Keep public away. Shut off supply of gas. Eliminate sources of ignition. Ventilate the area. Disperse with water spray. Contact between skin and these gases in liquid form can cause freezing of tissue causing injury similar to thermal burn.**

Waste Disposal Method: **Controlled burning. Contact supplier.**

Section VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection: **Stay out of gas or vapor (because of fire hazard).**

Ventilation: **Explosion-proof motors and keep sources of ignition at safe distances.**

Personal Protective Equipment and Apparel: **Gloves resistant to the actions of LP-gases, goggles for protection against accidental release of pressurized products.**

Section IX SPECIAL PRECAUTIONS

Precautions to be taken when handling and storing: **Keep containers away from heat sources. Store in upright position. Containers should not be dropped. Keep container valve closed when not in use.**

Other Precaution: **Install protective caps and plug container service valve when not connected for use.**

Section X TOXICOLOGICAL INFORMATION

OSHA Carcinogen Classification (29 CFR 1910) Not listed/ applicable

U.S. Department of Health (21 CFR 184.1655): **Generally recognized as safe (GRAS) as a direct human food ingredient when used as a propellant, aerating agent and gas as defined in Section 170.3(o)(25).**

Section XI DOT LABELING INFORMATION (49 CFR 100-199)

Proper shipping name:
Liquefied Petroleum Gas
Hazardous Classification:
2.1 Flammable Gas

Identification No.:
UN 1075
Label(s) Required: **Flammable Gas and
Liquefied Petroleum Gas or Propane**

Section XII ISSUE INFORMATION

Issue Date: **July 1, 2000**

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For additional information contact Blue Flame Gas, Inc. @ 770 943 6571