

MATERIAL SAFETY DATA SHEET

Section I MATERIAL SAFETY DATA SHEET

Supplier's Name: **Avcogas Propane Sales & Services**
Address: **520 E. Slauson Ave. Los Angeles, CA 90011**

Emergency
Phone Number: **323-234-5144**

Chemical Name: **LIQUEFIED PETROLEUM GAS or PROPANE**
CAS Registry No.: **74-98-6** Chemical Family:
Hydrocarbon

Formula: C_3H_8



4 – Severe
3 – Serious
2 – Moderate

1 – Slight
0 – Minimal

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 100 °F: **205**
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**

Classification: **Flammable Gas UN 1075**
Extinguishing Media: **Water spray-Class A-B-C or BC fire extinguisher.**

Special Fire Fighting Procedures: **Stop flow of gas. Use water to keep fire exposed containers cool. Use water spray to disperse unignited 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 an environmentally safe manner and in accordance with governmental 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.**

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 and 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** Identification No.: **UN 1075**
Hazardous Classification: **Flammable Gas** Label(s) Required:
Flammable Gas

Section XII ISSUE INFORMATION

Issue Date: _____

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