

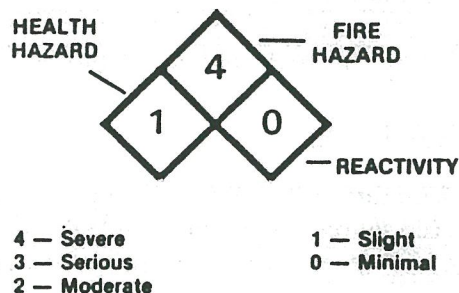
## Section I

## MATERIAL SAFETY DATA SHEET

Supplier's Name: MUTUAL LIQUID GAS & EQUIP. CO., INC. Emergency Phone Number: 1-800-633-8253  
Address: 17117 So. Broadway, Gardena, CA 90248  
Chemical Name: LIQUEFIED PETROLEUM GAS or PROPANE Formula:  $C_3H_8$   
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 work-day.

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 ( $H_2O = 1$ ): 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) Classification: Flammable Gas UN 1075  
Flammable Limits - LFL: 2.15 - UFL: 9.60 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

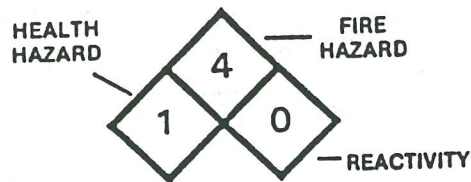
OSHA P.E.L.: 1000 PPM ACGIH TLV: 1000 PPM Effects of Overexposure: Inhalation - concentrations can lead to symptoms ranging from dizziness to anesthesia and respiratory arrest. Eyes - moderate irritation. Emergency & First Aid procedures: Inhalation - remove to fresh air. Guard against self injury. Apply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



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4 — Severe  
3 — Serious  
2 — Moderate

1 — Slight  
0 — Minimal

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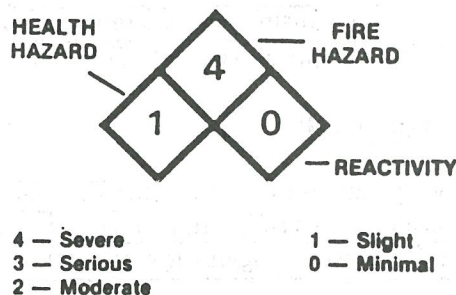
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