

OCT 24 1997

# THERMOGAS SAFETY DATA SHEET

INDUSTRIAL AIRPORT, KS.

### Section I

Suppliers Name 1-800-829-1783 Emergency Phone Number \_\_\_\_\_  
Address \_\_\_\_\_  
Chemical Name Liquefied Petroleum Gas or Propane CAS Registry No. 74-98-6  
Chemical Family Hydrocarbon Formula C<sub>3</sub>H<sub>8</sub>

### 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<sub>2</sub>O = 1) 0.51 Vapor Pressure (mm HG) at 100°F 9825 Percent, Volatile by Volume (%) 100 Vapor Density (Air = 1) 1.52 Evaporative Rate None Solubility in Water Slightly Appearance and Odor Clear—unpleasant odor (caused by odorant)\*

### Section IV FIRE AND EXPLOSION HAZARD DATA

Flash Point N/A Classification Flammable Gas UN 1075 Flammable Limits  
LEL 2.15 UEL 9.60  
Extinguishing Media Water Spray: Class A-B-C or BC Fire Extinguishers  
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.

### Section V HEALTH HAZARD

Threshold Limit Value 1,000 PPM Effects of Overexposure Inhalation—concentration 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 X Unstable \_\_\_\_\_ Hazardous Decomposition Products None  
Incompatibility (materials to avoid) Mixing with oxygen or air, except at burner  
Hazardous Polymerization: May occur \_\_\_\_\_ Will not occur X

### 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 Leather or equivalent gloves, 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 when not connected for use.

### Section X TOXICOLOGICAL INFORMATION

OSHA Carcinogen Classification (29 CFR 1910) Not listed/applicable X  
Category I Carcinogen \_\_\_\_\_ Category II Carcinogen \_\_\_\_\_  
Listed as Possible Category I \_\_\_\_\_ Listed as Possible Category II \_\_\_\_\_

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

Proper Shipping Name Liquefied Petroleum Gas Hazardous Classification Flammable Gas  
Identification No. UN 1075 Label(s) Required Flammable, Class 2

Date of Preparation or Last Change: \_\_\_\_\_

\* For use with unodorized gas, remove these words: "UNPLEASANT ODOR (CAUSED BY ODORANT)"