

# MATERIAL SAFETY DATA SHEET

## Section I

Supplier's Name Kamps Propane, Inc. Phone Number 1-800-319-6079  
Address 1929 Moffat Blvd. Manteca, CA 95336  
Chemical Name Liquefied Petroleum Gas or Propane CAS Registry No. 74-98-6  
Chemical Family Hydrocarbon Formula C3H8

## 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 Pressure (mm HG) at 100° 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

Flammable Units  
LEL 2.15 UEL 9.60

Flash Point N/A Classification Flammable Gas UN 1075

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 un-ignited gas or vapor. If ignition has occurred and no water available, tank 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 (Simple Asphyxiant) OSHA Permissible Exposure Limit: 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  Unstable  Hazardous Decomposition Products None  
Incompatibility (materials to avoid) Mixing with oxygen or air, except as 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 gasses in liquid form can cause freezing of tissue, causing injury similar to thermal burn. Water 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 action of LP-gasses, 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 protection caps when not connected for use.

## Section X TOXICOLOGICAL INFORMATION

OSHA Carcinogen Classification (29 CFR 1910) Not listed/applicable   
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: 2/23/2010