

## **PROPANE**

### **MSDS Number**

BHCLP

### **National Stock Number**

6830-00B060003

### **Product Name**

PROPANE

### **Manufacturer**

FERRELL GAS

### **Product Identification**

Product ID:PROPANE  
MSDS Date:08/15/1987  
FSC:6830  
NIIN:00B060003  
MSDS Number: BHCLP

### **Responsible Party**

FERRELL GAS  
ONE LIBERTY PLAZA  
LIBERTY , MO 64068  
US  
Emergency Phone: 816-792-1600  
Info Phone: 816-792-1600  
Cage: DO857

### **Contractor**

FERRELLGAS  
LIBERTY, MO 64068-2970  
US  
816-792-1600; 816-792-6916  
Cage: 0CH06

### **Ingredients**

PROPANE  
CAS: 74-98-6  
RTECS: TX2275000  
OSHA PEL1000 PPM  
ACGIH TLV: ASPHYXIAN; 9192

### **Hazards**

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Health Hazards Acute and Chronic:CLASSIFIED AS A SIMPLE  
ASPHYXIAN,MINIMAL OXYGEN CONTENT SHOULD BE 19.5% BY VOLUME UNDER  
NORMAL ATMOSPHERE CONDITIONS (ACGIH). CENTRAL NERVOUS SYSTEM  
DEPRESSANT. MAY CAUSE ANEMIA AND IRREGULAR HEART R HYTHM.  
Explanation of Carcinogenicity:NON-CARCINOGENIC  
Effects of Overexposure:HIGH CONCENTRATIONS CAN LEAD TO SYMPTOMS  
RANGING FROM DIZZINESS TO ANESTHESIA AND RESPIRATORY ARREST IF  
INHALED. EYES CAN BE MODERATELY IRRITATED.  
Medical Cond Aggravated by Exposure:CAUTION IS RECOMMENDED FOR  
PERSONNEL WITH PRE-EXISTING CENTRAL NERVOUS SYSTEM OR CHRONIC

RESPIRATORY DISEASES.

## First Aid

First Aid: REMOVE TO FRESH AIR. IF NOT BREATHING, ADMINISTER AIR, OXYGEN OR CPR. SKIN-KEEP AFFECTED AREA WARM AND SUBMERGE IN LUKEWARM WATER. FLUSH EYES IMMEDIATELY WITH WATER.

## Fire Fighting

Flash Point: -156F

Lower Limits: 2.15

Upper Limits: 9.60

Extinguishing Media: DRY CHEMICAL CLASS A-B-C, CO<sub>2</sub>, WATER SPRAY OR BC FIRE EXTINGUISHER.

Fire Fighting Procedures: STOP FLOW OF GAS. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL AND TO DISPERSE UNIGNITED GAS OR VAPOR. USE SCBA IN CONFINED SPACES. ISOLATE AREA UNTIL GAS DISP  
Unusual Fire/Explosion Hazard: FLAMMABLE LIQUID AND GAS UNDER PRESSURE MAY FORM EXPLOSIVE MIXTURES WITH AIR. FIRE EXPOSED CONTAINERS MAY RUPTURE EXPLOSIVELY.

## Accidental Release

Spill Release Procedures: KEEP PUBLIC AWAY. SHUT OFF GAS SUPPLY. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. DISPERSE WITH WATER SPRAY. CONTACT BETWEEN SKIN AND THESE GASES CAN CAUSE FREEZING OF TISSUE.

## Handling

Handling and Storage Precautions: KEEP CONTAINERS AWAY FROM HEAT SOURCES AND STORE CONTAINERS IN UPRIGHT POSITION. CONTAINERS SHOULD NOT BE DROPPED. DON'T EXCEED CONT TEMP OF 130F.

Other Precautions: CLOSE CONTAINER SERVICE VALVE WHEN NOT IN USE AND WHEN EMPTY. INSTALL PROTECTIVE CAP WHEN NOT CONNECTED FOR USE.

## Exposure Controls

Respiratory Protection: USE NIOSH OR MSHA APPROVED EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED.

Ventilation: PROVIDE ADEQUATE VENTILATION WHERE THIS PRODUCT IS USED TO MEET TLV. KEEP BELOW 25% CONC. USE EXPLOSION PROOF MECH VENT.

Protective Gloves: IMPERVIOUS PLASTIC OR NEOPRENE-COAT CANV

Eye Protection: CHEMICAL GOGGLES AND FACESHIELD.

Work Hygienic Practices: AVOID BREATHING GAS, SECURE AND EVACUATE AREA IF GAS IS SMELLED.

Supplemental Safety and Health

## Chemical Properties

Boiling Pt: B.P. Text: -44F

Vapor Pres: 208PSIG

Vapor Density: 1.52 AIR=1

Spec Gravity: 0.51 H<sub>2</sub>O=1

Evaporation Rate & Reference: Solubility in Water: SLIGHT

Appearance and Odor: CLEAR-UNPLEASANT ODOR, (ODORIZED BY ETHYL MERCAPTAN)

## Stability

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS.

Stability Condition to Avoid: HEAT, SPARKS, FLAME AND BUILD-UP OF STATIC ELECTRICITY.

Hazardous Decomposition Products: CARBON MONOXIDE.

## Disposal

Waste Disposal Methods: CONTROLLED BURNING IN COMPLIANCE WITH APPLICABLE CODES AND LAWS.

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