

BUTANE, INC. -- PROPANE -- 6830-00-261-7445

===== Product Identification =====

Product ID:PROPANE

MSDS Date:01/01/1987

FSC:6830

NIIN:00-261-7445

MSDS Number: BHDDR

=== Responsible Party ===

Company Name:BUTANE, INC.

Address:2650 N. 35TH AVENUE

City:PHOENIX

State:AZ

ZIP:85009

Country:US

Info Phone Num:602-272-2344

CAGE:AZTEC

=== Contractor Identification ===

Company Name:BUTANE, INC.

Address:2650 N

. 35TH AVENUE

Box:City:PHOENIX

State:AZ

ZIP:85009

Country:US

CAGE:AZTEC

===== Composition/Information on Ingredients =====

Ingred Name:PROPANE

CAS:74-98-6

RTECS #:TX2275000

Fraction by Wt: 100%

OSHA PEL:1000 PPM

ACGIH TLV:ASPHYXIAN; 9192

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Effects of Overexposure:LIQUID CAN CAUSE FREEZE BURNS SIMILAR

TO  
FROSTBITE IF CONTACT WITH SKIN OCCURS. LARGE CONCENTRATIONS OF  
VAPOR IN ATMOSPHERE CAN CAUSE ASPHYXIATION DUE TO  
OXYGEN DISPLACEMENT. INHALATION OF SMALLER QUANTITIES OF VAPOR CAN  
CAUSE RESPIRATORY IRRITATION, DIZZINESS, NAUSEA OR DROWSINESS.

===== First Aid Measures =====

First Aid: MEDICAL ATTENTION MANDATORY. EYE CONTACT: FLUSH WITH WATER.  
SKIN CONTACT: IF FREEZE BURN OCCURS, REMOVE CONTAMINATED CLOTHES,  
ETC. IMMEDIATELY IMMERSE BURNED  
AREA IN WARM WATER, NOT HOT. KEEP IMMersed,  
GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR. IF  
VICTIM IS NOT BREATHING GIVE CPR, IF UNCONSCIOUS SEEK IMMEDIATE  
MEDICAL ATTENTION, IF BREATHING IS LABORED, GIVE SUPPLEMENTAL  
OXYGEN.

===== Fire Fighting Measures =====

Flash Point: -156F  
Lower Limits: 2.1%  
Upper Limits: 9.5%  
Extinguishing Media: DRY CHEMICAL, FOAM OR CO2 FOR SMALL FIRES. STOP  
FLOW OF GAS FIRST.  
Fire Fighting Procedure  
s: EVACUATE AREA. NOTIFY FIRE DEPT. SHUT OFF  
SOURCE OF GAS, IF POSSIBLE. ALLOW FIRE TO BURN UNTIL GAS FLOW SHUT  
OFF. WATER COOL EXPOSED EQUIPMENT.  
Unusual Fire/Explosion Hazard: PRODUCTS OF COMBUSTION MAY YIELD CARBON  
MONOXIDE. UNCONTROLLED VAPORS SPREAD RAPIDLY, ARE HEAVIER THAN  
AIR AND ARE EXTREMELY FLAMMABLE.

===== Accidental Release Measures =====

Spill Release Procedures: PRODUCT IS EXTREMELY FLAMMABLE. ELIMINATE ALL  
IGNITION SOURCES. EVACUATE AREA. IF POSSIBLE, REMOVE LEAKING  
CONTAINER TO SAFE AREA. STOP FLOW OF GAS OR ALLOW VAPOR TO DISPERSE  
IN SAFE AREA. USE WATER SPRAY TO HELP DILUTE VAPOR CONCENTRATION.

===== Handling and Storage =====

Handling and Storage Precautions: STORE/USE WITH ADEQUATE  
VENTILATION. KEEP AWAY FROM HEAT AND IGNITION SOURCES. STORE  
CYLINDERS IN UPRIGHT POSITION. PROTECT FROM DAMAGE.  
Other Precautions: DEEP CONTAINER VALVE CLOSED AND PLUGGED WHEN NOT

IN  
USE. INSTALL PROTECTIVE CAPSWHEN CYLINDERS ARE NOT CONNECTED FOR  
USE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE A NIOSH-APPROVED RESPIRATOR IF AREA IS  
THOUGHT TO CONTAIN UNKNOWN CONENTRA- TIONS OF GAS.  
Ventilation:USE ADEQUATE VENTILATION TO MAINTAIN EXPOSURES BELOW  
RECOMMENDED LIMITS.  
Protective Gloves:PROPANE RESISTANT GLOVES  
Eye Protection:SAFETY GOGGLES OR SAFETY GLASSES  
Supplemental Safety and Health  
NK

===== Physical/Chemical Properties =====

HCC:G2  
Boiling Pt:B.P. Text:-44F  
Vapor Pres:\*SEE BELOW  
Vapor Density:1.5  
Spec Gravity:0.507  
Solubility in Water:INSOLUBLE  
Appearance and Odor:COLORLESS LIQUEFIED PETROLEUM GAS. PROPANE SOLD FOR  
FUEL CONTAINS A FOUL SMELL.  
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:NK \*VAP PRE  
S: 208 PSIG (MAX) @ 100F  
Hazardous Decomposition Products:INCOMPLETE COMBUSTION CAN CAUSE CARBON  
MONOXIDE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF GAS ONLY BY CONTROLLED BURNING IN  
COMPLIANCE WITH LOCAL LAWS AND REGULATIONS.

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