

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 OXYGENDISPLACEMENT. INHALATION OF SMALLER QUANTITIES OF VAPOR CAN CAUSE RESPIRATORY IRRITATION, DIZZINESS, NAUSEA OR DROWSINESS.

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===== 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 IMMERSING, 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.

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===== 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.

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===== 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.

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===== 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 CAPS WHEN CYLINDERS ARE NOT CONNECTED FOR USE.

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

Respiratory Protection: USE A NIOSH-APPROVED RESPIRATOR IF AREA IS THOUGHT TO CONTAIN UNKNOWN CONCENTRATIONS 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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