

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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