

UNION CARBIDE CORP LINDE DIV -- PROPANE -- 6830-00-261-7447

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

Product ID:PROPANE

MSDS Date:08/01/1985

FSC:6830

NIIN:00-261-7447

MSDS Number: BHDDY

=== Responsible Party ===

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:NA

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:304-744-3487

Emergency Phone Num:304-744-3487

CAGE:36

346

=== Contractor Identification ===

Company Name:HAMPTON ROADS SUPPLY UNION CARBIDE LINDE DIVISION

Address:3450 VIRGINIA BEACH BLVD

Box:12567

City:NORFOLK

State:VA

ZIP:23502-3123

Country:US

CAGE:7D711

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357; 304-744-3487

CAGE:36346

===== 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:YES
Health Hazards Acute and Chronic:NO EVIDENCE OF ADVERSE EFFECTS FROM
AVAILABLE INFORMATION
Effects of Overexposure:INHAL:ASPHYXIAN. MODERATE CONCENTRATIONS MAY
CAUSE HDACHES,DROWSINESS,DIZZINESSEXCITATION,EXCESS
SALIVATION,VOMITING,& UNCONSCIOUSNESS.LACK OF OXYGEN CAN
CAUSEDEATH.INGST:THIS PRODUC
T IS A GAS AT NOR MAL
TEMPERATURE/PRESSURE. SKIN/EYE: LIQ.MAY CAUSE FROSTBITE. NO HARMFUL
EFFECT EXPECTED FROM VAPOR.
Medical Cond Aggravated by Exposure:OVEREXPOSURE IS UNLIKELY TO
AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid:INHAL:REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT
BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT. CALL A
PHYSICIAN. SKIN:IMMEDIATELY WARM FROST-BITE AREA W/WARM
WATER(NOT
TO EXCEED 105 F). IN CASE OF MASSIVE EXPOSURE REMOVECLOTHING
W/SHOWERING. EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES.
CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:TCC
Flash Point:-156F/-104C
Autoignition Temp:Autoignition Temp Text:**
Lower Limits:9.5
Upper Limits:2.1
Extinguishing Media:CO2, DRY CHEMICAL, WATER SPRAY OR FOG
Fire Fighting Procedures:EVACUATE PERSONNEL FROM DANGER AREA.REMOVE
IGNITION SOURCES IF W/O RISK. ALLOW FIRE TO BURN OUT. IMMEDIATELY
COOL CONTNR W/WTR SPRAY FROM MAXIMUM DISTANCE.
Unusual Fire/Explosion Hazard:DONOT EXTINGUISH FLAMES DUE TO POSSIBLE
REIGNITION. CONTAINER MAY RUPTURE DUE TOHEAT OF FIRE. STOP FLOW OF
GAS IF W/O RISK WHILE COOLING WITH WATER SPRAY.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION IF W/O RISK.
REDUCEVAPORS W/FOG OR FINE WTR SPRAY.SHUTO

FF LEAK IF W/ORISK.

EVACUATE ALL PERSONNEL. USE S.C.B.A. VENTILATE AREA OF LEAK/MOVE LEAKING CONTAINER TO WELL VENTILATED AREA.

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

Handling and Storage Precautions:NEVER WORK ON A PRESSURIZED SYSTEM. IF THERE IS A LEAK CLOSE CYLINDER VALVE, BLOW DOWN SYSTEM BY VENTING TO A SAFE PLACE,THEN REPAIR THE LEAK.

Other Precautions:FLAMMABLE VAPORS MAY SPREAD FROM THE SPILL. NO PART OF CONTAINER SHOULD BE SUB- JECTE D TO A TEMPERATURE HIGHER THAN 125F(52C). BEFORE ENTERING AREA, ESPECIALLY CONFINED AREAS, CHECK ATMOSPHERE WITH A PPROPRIATE DEVICE.

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

Respiratory Protection:SELECT IN ACCORDANCE WITH OSHA 29 CFR 1910.134. RESPIRATORS SHALL BE ACCEPTABLE TO MSHA AND NIOSH.

Ventilation:LOCAL EXHAUST: EXPLOSION PROOF SYSTEM IS ACCEPTABLE SPECIAL: USE IN CLOSED SYSTEM

Protective Gloves:PREFERRED FOR HANDLING/PREVETN EXPOSU RE

Eye Protection:ACCORDANCE W/OSHA 29 CFR 1910.133

Other Protective Equipment:METATARSAL SHOES, PROTECTIVE CLOTHING WHERE NEEDED.

Supplemental Safety and Health NK

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

HCC:G2

Boiling Pt:B.P. Text:**SEE BELOW

Vapor Pres:109 PSIG

Vapor Density:1.55 @ 20C

Spec Gravity:0.5077 @ 25C

Evaporation Rate & Reference:HIGH

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE; FAINTL

Y DISAGREEABLE ODOR.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid: YES
OXIDIZING AGENTS, CHLORINE DIOXIDE
Stability Condition to Avoid: KEEP AWAY FROM HEAT, SPARKS, AND FLAMES.
Hazardous Decomposition Products: THERMAL DECOMPOSITION OR BURNING MAY
PRODUCE CO/CO2

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

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING
AREA. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN
FULL COMPLIANCE W/ FEDERAL, STATE, LOCAL REGULATIONS. KEEP PERSONNEL
AWAY.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.