

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:363

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=== 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 PRODUCT
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.SHUTOF

F LEAK IF W/ORISK.

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

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===== 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- JECTED TO A TEMPERATURE HIGHER THAN 125F(52C). BEFORE ENTERING AREA, ESPECIALLY CONFINED AREAS, CHECK ATMOSPHERE WITH A PPROPRIATE DEVICE.

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===== 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 EXPOSUR
E

Eye Protection:ACCORDANCE W/OSHA 29 CFR 1910.133

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

Supplemental Safety and Health

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===== 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;
FAINTLY

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 FORM 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.

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