

UNION CARBIDE CORPORATION -- UCON PROPELLANT 11 -- 6830-00-079-4694

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

Product ID:UCON PROPELLANT 11

MSDS Date:01/01/1985

FSC:6830

NIIN:00-079-4694

MSDS Number: BCXRS

=== Responsible Party ===

Company Name:UNION CARBIDE CORPORATION

Emergency Phone Num:212-551-4785

CAGE:6M841

=== Contractor Identification ===

Company Name:UNION CARBIDE CORP

Address:OLD RIDGEBURY RD

B

City:DANBURY

State:CT

ZIP:06817

Country:US

CAGE:6M841

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

Ingred Name:TRICHLOROFLUOROMETHANE (CFC-11) (SARA III)

CAS:75-69-4

RTECS #:PB6125000

Fraction by Wt: 100%

OSHA PEL:1000 PPM

ACGIH TLV:C, 1000 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ozone Depleting Chemical:1

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

Effects of Overexposure:FROSTBITE.BREATHING CONCENTRATIONS APPROACHING  
10%

IN AIR WILL CAUSE DIZZINESS & DROWSINESS

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

First Aid:FLUSH FROSTED AREAS WITH WARM WATER.IF INHALED IN HIGH CONCENTRATIONS, MOVE TO FRESH AIR

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

Flash Point:NONE  
Fire Fighting Procedures:NONE  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:COVER WITH ABSORBENT MATERIAL(& LOAD INTO WASTE CONTAINER

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

Handling and Storage Precautions:CAUTION! LIQUID & GAS UNDER PRESSURE.KEEP AWAY FROM HEAT AND OPEN FLAMES.DO NOT DROP OR REFILL.NON FLAMMABLE LIQUID GAS

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

Respiratory Protection:FRESH-AIR MASK FOR HIGH CONCENTRATIONS  
Ventilation:LOCAL EXHAUST IS PREFERRED.MECHANICAL IS ACCEPTABLE  
Eye Protection:SAFETY GLASSES  
Other Protective  
Equipment:EYE BATH & SAFETY SHOWER  
Supplemental Safety and Health

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

HCC:N1  
Boiling Pt:B.P. Text:74.8F  
Vapor Pres:13  
Vapor Density:4.7  
Spec Gravity:1.49  
Evaporation Rate & Reference:63 BUTYL ACETATE  
Solubility in Water:0.11%  
Appearance and Odor:WATER-WHITE LIQUID;CHLORINATED SOLVENT ODOR  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoi

d:YES  
NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:HCL,HF,CO,AND/OR CO\*2

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

Waste Disposal Methods:LANDFILL OR MIX IN SMALL PROPORTION WITH  
BURNABLE LIQUID & INCINERATE UNDER APPROVED CONTROLLED PROCEDURES

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