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## UNION CARBIDE CORP -- UCON FLUOROCARBON 12 -- 6830-00-935-9895

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

Product ID:UCON FLUOROCARBON 12

MSDS Date:11/01/1988

FSC:6830

NIIN:00-935-9895

MSDS Number: BFYCV === Responsible Party ===

Company Name: UNION CARBIDE CORP

Address:39 OLD RIDGEBURY RD

City: DANBURY

State:CT

ZIP:06817-0001 Country:US

Info Phone Num:800-822-4357 OR 304-744-3487

Emergency Phone Num:800-82

2-4357 OR 304-744-3487

CAGE:6M841

=== Contractor Identification ===

Company Name: UNION CARBIDE CORP

Address:OLD RIDGEBURY RD

Box:City:DANBURY

State:CT ZIP:06817 Country:US CAGE:6M841

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

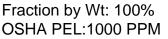
CAGE:36346

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

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)

CAS:75-71-8

RTECS #:PA8200000



ACGIH TLV:1000 PPM; 9192

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:TLV 1000 PPM

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:FROSTBITE TO TISSUES UPON CONTACT WITH LIQUID. PRODUCT IS AN ASPHYXIANT. HIGH CONCENTRATIONS CAN CAUSE CENTRAL NERV

OUS SYSEM DISTURBANCES, SUFFOCATION, DEATH, CARDIAC ARRHYTHMIAS OR ARREST DUE TO SENS ITIZATION OF HEART TO ADRENALIN. EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE FLU-LIKE SYMPTOMS.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:FROSTBITE, SEVERE TISSUE DAMAGE TO EYES/SKIN/MUCOUS MEMBRANES, DIZZINESS, NAUSEA, VOMITING, DISORIENTATION, CONFUSION,

INCOORDINATION, NARCOSIS, SUFFOCATION, DEATH, HEART IRREGULARITIES.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

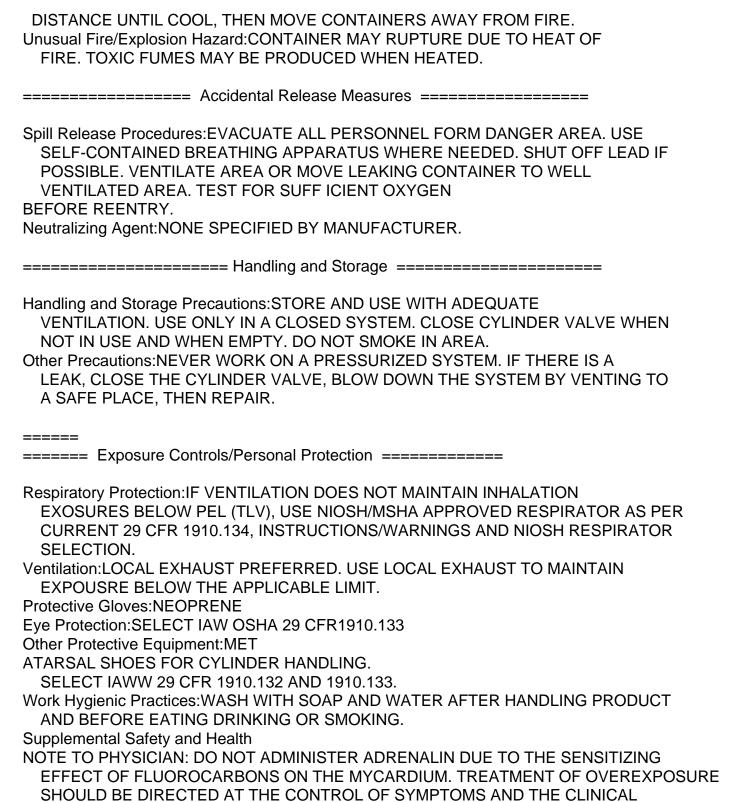
First Aid:SKIN: IMMEDIATELY WARM FROSTBITE AREA WITH WARM WATER. IN CASE OF MASSIVE EXPOSURE, REMOVE CLOTHING WHILE SHOWERING WITH WARM WATER. CALL A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFF

ICULT. CALL A PHYSICIAN. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. SEE PHYSICIAN IMMEDIATELY, AN OPHTHALMOLOGIST IF POSSIBLE.

Flash Point:NONFLAMMABLE Lower Limits:NOT GIVEN Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: EVACULATE ALL PERSONNEL FROM DANGER AREA.
IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM



CONDITION.

======= Physical/Chemical Propert

es ============
HCC:G3
Boiling Pt:B.P. Text:-22F,-30C
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:70.2 PSIG
Vapor Density:4.2
Spec Gravity:1.486
Evaporation Rate & Reference:HIGH
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS GAS, ETHEREAL ODOR AT CONCENTRATIONS >
20%
Percent Volatiles by Volume:100 %
======================================
Stability Indicator/Materials to Avoid:YES
MAGNESIUM AND ITS ALLOYS CONTAINING > 2% MAGNESI
JM IN THE PRESENCE OF
WATER, NATURAL RUBBER, ALUMINUM.
Stability Condition to Avoid:ELEVATED TEMPERATURES
Hazardous Decomposition Products:HYDROGEN CHLORIDE, HYDROGEN FLUORIDE,
CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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