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## 

Product ID:R-12

MSDS Date: 10/02/1995

FSC:6830

NIIN:01-355-6648

MSDS Number: BXWNB === Responsible Party ===

Company Name: DDRV STOCK MAINTENANCE DIV/DDRV-M/

Address:8000 JEFFERSON-DAVIS HIGHWAY

City:RICHMOND

State:VA ZIP:23297 Country:US

Info Phone Num:804-279-3125

Emergency Phone Num:800-851-8061

Pre

parer's Name:DGSC-VBA/HMIS

CAGE:02LX8

=== Contractor Identification ===

Company Name: DDRV STOCK MAINTENANCE DIV/DDRV-H

Address:8000 JEFFERSON-DAVIS HIGHWAY

Box:City:RICHMOND

State:VA ZIP:23297 Country:US

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

Ingred Name: DICHLORODIFLUOROMETHANE (SARA 313) (CERCLA)

CAS:75-71-8

RTECS #:PA8200000 Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9495

**EPA Rpt Qty** 

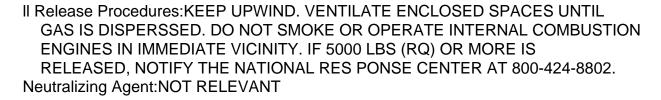
:5000 LBS DOT Rpt Qty:5000 LBS Ozone Depleting Chemical:1
========= Hazards Identification ===========
LD50 LC50 Mixture:TLV 1000 PPM Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:TARGET ORGANS:CARDIOVASCULAR & PERIPHERAL NERVOUS SYSTEMS. ACUTE- IF INHALED IN CONCENTRATIONS ABOVE 1000 PPM MAY CAUSE IRRITATION, NARCOSIS & ASPHYXIATION. MAY CAUSE FROSTBITE IF EYES OR SKIN WAS EXP OSED TO LIQUID OR SPRAY. INGESTION IS UNLIKELY DUE TO EXISTANCE AS A GAS AT ROOM TEMPERATURES. CHRONIC- UNKNOWN. Explanation of Carcinogenicity:NONE Effects of Overexposure:EYE AND/OR SKIN FROSTBITE, NARCOSIS, ASPHYXIATION, RESPIRATORY TRACT IRRITATION, DIZZINESS, TREMORS, UNCONSCIOUSNESS, CARDIAC ARREST Medical Cond Aggravated by Exposure:INDIVIDUALS WITH CARDIAC ARRHYTHMIA OR RESPIRATORY DISORDERS MAY BE AT INCREASED RISK IN SEVERE EXPOSURES.
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First Aid:GET MEDICAL ATTENTION IN ALL CASES. EYE/SKIN:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. TREAT FOR FROSTBITE, IF NEEDED. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:NOT A POTENTIAL ROUTE OF EXPOSURE; GET MEDICAL ATTENTION IF NECESSARY.
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Flash Point:NONE Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CH EMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CYLINDERS. Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. SEE 1990 EMERGENCY RESPONSE

GUIDEBOOK, DOT P 5800.5, GUIDE NO 12.

Unusual Fire/Explosion Hazard: MAY FORM CORROSIVE AND TOXIC HYDROGEN FLUORIDE, HYDROGEN CHLORIDE AND/OR PHOSGENE ABOVE 600C (1112F). CYLINDERS MAY RUPTURE.

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

Spi



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

Handling and Storage Precautions: STORE IN WELL-VENTILATED, DRY, COOL (BELOW 125F) PLACE AWAY FROM OPEN FLAMES AND INCOMPATIBLE

MATERIALS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: AVOID BREATHING VAPORS. AVOID EYE OR SKIN CONTACT. WASH WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING OR DRINKING. USE WITH ADEQUATE VENTILATION.

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

Respiratory Protection: NONE NORMALLY REQUIRED. IF TLV EXCEEDED, WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR RESPIRATOR, OPERATED IN POSITIVE PRESSURE MODE.

Ventilation:USE

GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves: CLOTH-LINED RUBBER GLOVES

Eye Protection: SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:EYEBATH, SAFETY SHOWER, PROTECTIVE CLOTHING Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

THIS MSDS WAS PREPARED BY THE PROFESSIONALS OF DGSC-VBA/HMIS WITHOUT ANY WARRANTY. IT IS THE USER'S RESPONSIBILITY TO GATHER INFORMATION AND

USE THE MATERIAL PROPERLY TO PROTECT EMPLOYEES AND ENVIRONM ENT. OTHER TRADE NAMES: HALON 122, PROPELLANT 12, FREON 12, REFRIGERANT 12, CONVERSION FACTOR: 1 PPM = 5.03 MG/M3.

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

HCC:G3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:-22F,-30C

Melt/Freeze Pt:M.P/F.P Text:-252F,-158C Decomp Temp:Decomp Text:>1112F,>600

Vapor Density:4.2 Spec Gravity:1.29

Viscosity: NOT RELEVANT

Evaporation Rate & Dry Reference: GAS

Solub

Appearance and Odor:COLORLESS LIQUEFIED GAS - FAINT ETHEREAL ODOR Percent Volatiles by Volume:100
========== Stability and Reactivity Data ===========
Stability Indicator/Materials to Avoid:YES CHEMICALLY ACTIVE METALS SUCH AS SODIUM, POTASSIUM, CALCIUM, POWDERED ALUMINUM, ZINC AND MAGNESIUM Stability Condition to Avoid:OPEN FLAME, EXTREMELY HOT/GLOWING METAL SURFACES, HIGH TEMPERATURES
Hazardous Decomposition Products:MAY FORM HYDROGEN FLUORIDE, HYDROGEN
CHLORIDE AND/OR PHOSGENE ABOVE 600C (1112E)

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

Waste Disposal Methods:FOR DISCHARGE OR DISPOSING OF MATERIAL, CONSULT LOCAL, STATE AND FEDERAL AUTHORITIES. DO NOT WENT TO ATMOSPHERE. RECYLCE PRODUCT.

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ility in Water: INSOLUBLE

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