

DDRV STOCK MAINTENANCE DIV/DDRV-M/ -- R-12 -- 6830-01-355-6648

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

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

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CAGE:02LX8

===== 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

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===== 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 Measures =====

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL
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.

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

Spi

II Release Procedures:KEEP UPWIND. VENTILATE ENCLOSED SPACES UNTIL GAS IS DISPERSED. DO NOT SMOKE OR OPERATE INTERNAL COMBUSTION ENGINES IN IMMEDIATE VICINITY. IF 5000 LBS (RQ) OR MORE IS RELEASED, NOTIFY THE NATIONAL RES PONSE CENTER AT 800-424-8802.

Neutralizing Agent:NOT RELEVANT

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===== 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.

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===== 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.

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===== 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 & Reference:GAS

Solub

ility in Water:INSOLUBLE

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 (1112F).

===== 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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