

DDRV STOCK MAINTENANCE DIV/DDRV-M/ -- 1301 -- 6830-01-356-9752

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

Product ID:1301

MSDS Date:10/03/1995

FSC:6830

NIIN:01-356-9752

MSDS Number: BXWNW

=== 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

Prep

arer's Name:DGSC-VBA/HMIS

CAGE:02LX8

=== Contractor Identification ===

Company Name:DDRV STOCK MAINTENANCE DIV/DDRV-H

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Box:City:RICHMOND

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

Ingred Name:TRIFLUOROBROMOMETHANE (HALON 1301) (SARA 313) (CERCLA)

CAS:75-63-8

RTECS #:PA5425000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9495

# 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:CNS, EYES, SKIN, LUNGS.

ACUTE- EYE:CONTACT WITH LIQUID CAN CAUSE "FREEZER" BURNS.

SKIN:LIQUID CAN CAUSE FROSTBITE. ORAL:NOT LIKELY. INHALE:TOXIC BY INHALATION. MAY CAUSE IRREGULARITIES I N THE CENTRAL NER

VOUS SYSTEM

AND CARDIAC MUSCLES. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:FROSTBITE, EYE BURNS, HEADACHE, DIZZINESS, CONFUSION, INCOORDINATION, UNCONSCIOUSNESS, IRREGULAR PULSE, CONVULSION

Medical Cond Aggravated by Exposure:ANEMIA, ASTHMA, DERMAL SENSITIVITY AND LOW BLOOD PRESSURE

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINU

TES, HOLDING EYELIDS OPEN. SKIN:REMOVE

CONTAMINATED CLOTHING AND WASH EXPOSED SKIN WITH LARGE AMOUNT OF WATER. INHALED:RE MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:NOT A POTENTIAL ROUTE OF EXPOSURE.

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

Flash Point:NONE

Extinguishing Media:NON-FLAMMABLE. COOL FIRE EXPOSED CONTAINERS WITH WATER WELL AFTER FIRE IS OUT TO PREVENT POSSIBLE EXPLOSIONS

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NI

OSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS. SEE 1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5, GUIDE NO 12.

Unusual Fire/Explosion Hazard:IRRITATING AND/OR TOXIC GASES DUE TO DECOMPOSITION OF THE PRODUCT MAY BE GENERATED DURING A FIRE. CONTAINERS MAY EXPLODE DUE TO FIRE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTIALTE AREA. CONTAIN SPILL. COLLECT SPILL WITH ABSORBENT MATERIAL AND PLAC

E INTO  
A DRUM APPROVED FOR WASTE DISPOSAL.  
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A COOL, WELL-VENTILATED AREA  
AWAY FROM HEAT, FLAMES, HOT SURFACES AND INCOMPATIBLE MATERIALS. DO  
NOT SMOKE WHILE WORKING WITH THIS PRODUCT.  
Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT INHALE VAPORS.  
KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING AND  
BEFORE EATING OR DR  
INKING

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE  
CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS MUST BE WORN.  
Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL  
EXHAUST) VENTILATION TO MAINTAIN EXPOSURE TO A MINIMUM LEVLE.  
Protective Gloves:NITRILE OR NATURAL RUBBER  
Eye Protection:SPLASH PROOF GOGGLES WITH SIDE SHIELDS  
Other Prot  
ective Equipment:EYE WASH STATION, EMERGENCY SHOWER,  
IMPERVIOUS BODY COVERING AND BOOTS WHERE SPILLS OR SPLASHING OCCUR  
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.

===== Physical/C  
hemical Properties =====

HCC:G3  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:B.P. Text:-72F,-58C  
Melt/Freeze Pt:M.P/F.P Text:-270F,-168C  
Decomp Temp:Decomp Text:850F,454C  
Vapor Density:5.14  
Spec Gravity:1.54  
Viscosity:NOT RELEVANT  
Evaporation Rate & Reference:LIQUEFIED GAS  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:CLEAR LIQUEFIED GAS WITH SLIGHT ETHEREAL ODOR  
Percent Volatiles by Volume:100

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

Stability I

Indicator/Materials to Avoid: YES

ALKALINE EARTH METALS, ALKALI, POWDERED ALUMINUM, ZINC, BERYLLIUM

Stability Condition to Avoid: EXPOSURE TO FLAMES OR HOT SURFACES ABOVE  
850F (454C)

Hazardous Decomposition Products: HYDROBROMIC AND HYDROFLUORIC ACIDS,  
POSSIBLY FREE HALIDES AND CARBONYL HALIDES

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

Waste Disposal Methods: RECOVERED MATERIAL CAN BE INCINERATED IN A  
FURNACE WHERE PERMITTED. OBSERVE ALL LOCAL, STATE AND FEDERAL  
REGULATIONS.

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