

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

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

Phone:804-279-3125

CAGE:02LX8

===== 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 NE

RVOUS 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 MIN

UTES, 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 N

IOSH-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 PLA

CE 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 DRINKING

=====
===== 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 LEVEL.

Protective Gloves:NITRILE OR NATURAL RUBBER

Eye Protection:SPLASH PROOF GOGGLES WITH SIDE SHIELDS

Other Protective

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 ENVIRONMENT.

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

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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.