

IE DUPONT DE NEMOURS CO INC -- HALON 1301 (FIRE EXTINGUISHANT) -- 6830-01-294-4455

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

Product ID:HALON 1301 (FIRE EXTINGUISHANT)

MSDS Date:11/09/1995

FSC:6830

NIIN:01-294-4455

Status Code:A

MSDS Number: CJFMP

=== Responsible Party ===

Company Name:IE DUPONT DE NEMOURS CO INC

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:1-800-441-9442

Emergency Phone Num:800-441-3637

Chemtrec Ind/Phone:(

800)424-9300

CAGE:0UFA8

=== 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

Company Name:DU PONT FLUOROPRODUCTS

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:1-800-441-7515

CAGE:2S827

Company Name:FIRE-X CORP

Address:3305 CROFT ST

Box:City:NORFOLK

State:VA

ZIP:23513-4903

Country:US

Phone:775-855-0196

CAGE:6K586

Compan

y Name:FIRE-X OF VA (804-266-8844)
Address:6107 STAPLES MILL RD
Box:9757
City:RICHMOND
State:VA
ZIP:23225
Country:US
Phone:804-266-8844
CAGE:0FA36
Company Name:IE DUPONT DE NEMOURS CO INC
Address:1007 MARKET STREET
Box:City:WILMINGTON
State:DE
ZIP:19898
Country:US
Phone:1-800-441-9442
CAGE:0UFA8
Company Name:KIDDE FENWAL INC
Address:400 MAIN ST
Box:City:ASHLAND
State:MA
ZIP:01721-2150
Country:US
Phone:508-881-2000
CAGE:0KDP7

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

Ingred Name:TRIFLUOROBROMOMETHANE (HALON 1301) (SARA III)
CAS:75-63-8
RTECS #:PA5425000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192
Ozone Depleting Chemical:1

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HEALTH HAZARDS: INHALATION OF HIGH
CONCENTRATIONS OF VAPOR IS HARMFUL

& MAY CAUSE HEART
IRREGULARITIES, UNCONSCIOUSNESS & DEATH. INTENTIONAL MISUSE CAN BE
FATAL. VAPOR REDUCES OXYGEN AVAILABLE FOR BREATHING & IS HEAVIER
THAN AIR. LIQUID CONTACT CAN CAUSE FROSTBITE.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION: NONSPECIFIC DISCOMFORT, SUCH AS
NAUSEA, HEADACHE OR WEAKNESS; OR TEMPORARY CNS DEPRESSION WITH
EFFECTS SUCH AS DIZZINESS, HEAD

ACHE, CONFUSION, INCOORDINATION &
LOSS OF CONSCIOUSNESS. HIGHER EXPOSURES BY INHALATION MAY CAUSE
TEMPORARY ALTERATION OF THE HEART'S ELECTRICAL ACTIVITY WITH
IRREGULAR PULSE, PALPITATIONS, OR INADEQUATE CIRCULATION.

Medical Condition Aggravated by Exposure:PERSONS WITH PREEXISTING DISEASES
OF THE CENTRAL NERVOUS OR CARDIOVASCULAR SYSTEM MAY HAVE INCREASED
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE.

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

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.
CALL A DOCTOR. SKIN: FLUSH WITH WATER. TREAT FOR FROSTBITE IS
NECESSARY. INHALE: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR.
IF BREATHING IS DIFFICULT, GIVE OXYGEN & CALL A DOCTOR. INGEST:
INGESTION IS NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE.

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

Flash Point:WILL NOT BURN

Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

Fire

Fire Fighting Procedures:USE WATER SPRAY OR FOG TO COOL CONTAINERS.
SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF CYLINDERS RUPTURE
OR RELEASE UNDER FIRE.

Unusual Fire/Explosion Hazard:CYLINDERS ARE EQUIPPED WITH TEMPERATURE
AND PRESSURE RELIEF DEVICES BUT MAY STILL RUPTURE UNDER FIRE
CONDITIONS. DECOMPOSITION MAY OCCUR.

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

Spill Release Procedures:SPILL-VENTILATE AREA, ESPECIALLY LOW PLACES
WHERE HEAVY VAPOR

S MIGHT COLLECT. REMOVE OPEN FLAMES. USE SELF
CONTAINED BREATHING APPARATUS FOR LARGE SPILLS.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORAGE-STORE IN A CLEAN, DRY AREA. DO
NOT HEAT ABOVE 125F.
Other Precautions:AVOID BREATHING VERY HIGH CONCENTRATIONS OF VAPORS.
AVOID CONTACT OF EYES OR SKIN WITH LIQUID. PYROLYSIS PRODUCTS MAY
PRODUCE IRRITATING & CORROSIVE GASES.

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

Respiratory Protection:UNDER NORMAL CONDITIONS NO RESPIRATORY
PROTECTION IS REQUIRED. SCBA IS REQUIRED IF A SPILL OCCURS.
Ventilation:NORMAL VENTILATION IS O.K. FOR NORMAL PROCEDURE. USE LOCAL
EXHAUST FOR LARGE AMOUNTS & MECHANICAL FOR USE IN LOW PLACES.
Protective Gloves:IMPERVIOUS GLOVES SHOULD BE USED TO AVOID PROLONGED
OR REPEATED EXPOSURE.
Eye Protection:CHEMICAL SPLASH GOGGLES SHOULD BE WORN
Other Protective Eq
uipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NOTE TO PHYSICIAN: BECAUSE OF POSSIBLE DISTURBANCE OF CARDIAC RHYTHM,
CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD BE CONSIDERED ONLY
AS A LAST RESORT IN LIFE-THREATENING EMERGENCIES.

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

HCC:G3
NRC/State Lic Num:NONE
Boiling Pt:=-58.C, -72.4F
Vapor Pres:235 PSIA AT 25C
Vapor Density:5.14
Spec
Gravity:1.54
pH:NEUTRAL
Evaporation Rate & Reference:>1 (CC14=1)
Solubility in Water:0.03 WT.% AT 25C
Appearance and Odor:COLORLESS, LIQUIFIED GAS, SLIGHT ETHEREAL ODOR
Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES
ALKALI OR ALKALINE EARTH METALS-POWDERED AL, ZN, BE, ETC.
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:HALON 1301 MAY BE

DECOMPOSED BY HIGH
TEMPERATURES (OPEN FLAMES, ETC) FORMING FREE BROMINE AND POSSIBLY
CARBONYL HALIDES.

===== Toxicological Information =====

Toxicological Information:INHALATION 1-HOUR LC50: >770,000 PPM IN RATS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS. RECLAIM BY DISTILLATION OR
REMOVE TO PERMITTED WASTE DISPOSAL F
ACILITY.

===== MSDS Transport Information =====

Transport Information:DOT/IMO PROPER SHIPPING NAME:
BROMOTRIFLUOROMETHANE, HAZARD CLASS 2.2, UN1009.

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