

DU PONT E I DE NEMOURS & CO INC -- HALON 1301 FIRE EXTINGUISHANT -- 1680-00-758-0025  
===== Product Identification =====

Product ID:HALON 1301 FIRE EXTINGUISHANT  
MSDS Date:02/14/1992  
FSC:1680  
NIIN:00-758-0025  
MSDS Number: BGVJK  
=== Responsible Party ===  
Company Name:DU PONT E I DE NEMOURS & CO INC  
Address:1251 BRANDYWINE BLDG  
City:WILMINGTON  
State:DE  
ZIP:19898  
Country:US  
Info Phone Num:302-773-5676

Emergency Phone Num:302-773-5676  
Preparer's Name:W J BROCK  
CAGE:0BA38  
=== Contractor Identification ===  
Company Name:DU PONT E I DE NEMOURS AND CO INC PETROCHEMICALS DEPT  
Address:1251 BRANDYWINE BLDG  
Box:City:WILMINGTON  
State:DE  
ZIP:19898  
Phone:302-773-5676  
CAGE:73925  
Company Name:DU PONT E I DE NEMOURS AND CO INC CHEM  
Address:DELLE DONNE CORPORATE CTR  
City:WILMINGTON  
State:DE  
ZIP:19880-0800  
Country:US  
Phone:800-441-7515  
CAGE:0BA38

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

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Ingred Name:FREON 1301, TRIFLUOROMONOBROMOMETHANE  
CAS:75-63-8  
RTECS #:PA5425000  
Fraction by Wt: 100%  
Other REC Limits:1000 PPM  
OSHA PEL:6100 MG/CUM  
ACGIH TLV:6090 MG/CUM  
Ozone Depleting Chemical:1

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: DISCOMFORT, SUCH AS  
NAUSEA, HEADACHE OR WEAKNESS; OR TEMPORARY CNS  
DEPRESSION EFFECTS.  
ALTERATION OF THE HEART'S ELECTRICAL ACTIVITY W/IRREGULAR PULSE,  
PALPITATIONS OR INADEQUATE CIRCULATION. SKIN/EYES: FROSTBITE.  
Explanation of Carcinogenicity:NONE  
Medical Cond Aggravated by Exposure:CENTRAL NERVOUS OR CARDIOVASCULAR  
SYSTEM DISEASES.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. KEEP PERSON CALM. IF NOT  
BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT,  
GIVE OXYGEN. SKIN/EYES: FLUSH W/PLENTRY OF WATER FOR 15 MINS. TREAT  
FOR FROSTBITE IF NECESSARY. OBTAIN MED ATTN IN ALL CASES. NOTE TO  
PHYSICIAN: USE CATECHOLAMINE DRUGS (EPINEPHRINE) W/CAUTION IN  
SITUATIONS OF EMERGENCY LIFE SUPPORT BECAUSE OF POSSIBLE HEART  
IRREGULARITIES.

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

Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN AREA  
Fire Fighting Procedures:USE WATER SPRAY OR FOG TO COOL CONTAINERS. USE  
SC

BA IF CYLINDERS RUPTURE OR RELEASE UNDER FIRE CONDITIONS.  
Unusual Fire/Explosion Hazard:CYLINDERS ARE EQUIPPED W/TEMPERATURE &  
PRESSURE RELIEF DEVICES BUT MAY STILL RUPTURE UNDER FIRE  
CONDITIONS. DECOMPOSITION MAY OCCUR.

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

Spill Release Procedures:USE APPROPRIATE PROTECTIVE EQUIPMENT.  
VENTILATE AREA, ESPECIALLY LOW OR ENCLOSED PLACES WHERE HEAVY  
VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES. USE SCBA FOR LARGE LEAK  
OR SPILL.

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

Handling and Storage Precautions:STORE IN CLEAN, DRY AREA. DON'T HEAT  
>125F.  
Other Precautions:AVOID BREATHING VERY HIGH CONCENTRATION OF VAPORS &  
CONTACT W/SKIN OR EYES.

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

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS NO  
RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT. USE  
SCBA FOR LARGE SPILLS.

Ventilatio

n:NORMAL VENTILATION IS ADEQUATE. LOCAL EXHAUST: WHEN LARGE  
AMOUNTS ARE RELEASED. MECHANICAL: WHEN IN LOW/ENCLOSED AREAS.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES

Supplemental Safety and Health

CCL4 = CARBON TETRACHLORIDE

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

HCC:G3

Boiling Pt:B.P. Text:-71.95F

Vapor Pres:235 PSIA

Vapor Density:5.14

pH:7

Evaporation Rate & Reference:(CCL4 = 1): >1 SEE SUPP

Solubility in Water:0.03WT%

Appearance

and Odor: CLEAR COLORLESS LIQUIFIED GAS W/SLIGHT ETHEREAL  
ODOR.

Percent Volatiles by Volume: 100/WT

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

Stability Indicator/Materials to Avoid: YES

ALKALI OR ALKALINE EARTH METALS-POWDERED ALUMINUM, ZINC & BERYLLIUM.

Stability Condition to Avoid: OPEN FLAMES OR TEMPERATURE >1000F

Hazardous Decomposition Products: FREE BROMINE & POSSIBLY CARBONYL  
HALIDES

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

Waste

Disposal Methods: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, &  
FEDERAL REGULATIONS OR RECLAIM BY DISTILLATION OR REMOVE TO  
PERMITTED WASTE DISPOSAL FACILITY.

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