

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:302-773-5

676

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 TEMPORAR  
Y CNS DEPRESSION EFFECTS.  
ALTERATION OF THE HEART'S ELECTRICAL ACTIVITY W/IRREGULAR PULSE,  
PALPITATIONS OR INADEQUATE CIRCULATI ON. 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/PLENTY OF WATER FOR 15 MINS. TREAT  
FOR FROS TBITE 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

SCBA 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.

Ventilation: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%

Appearan

ce 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 =====

Wa

ste 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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