

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 =====

=====

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/PLENTY 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.

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 utilizi

ng this

document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.