

ANSUL FIRE PROTECTION, WORMALD U.S.INC. -- HALON 1301, FREON FE 1301 -- 6830-01-120-2711

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Product Identification  
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Product ID:HALON 1301, FREON FE 1301  
MSDS Date:01/12/1996  
FSC:6830  
NIIN:01-120-2711  
MSDS Number: BYFZT  
=== Responsible Party ===  
Company Name:ANSUL FIRE PROTECTION, WORMALD U.S.INC.  
Address:ONE STANTON STREET  
City:MARINETTE  
State:WI  
ZIP:54143-2542  
Country:US  
Info Phone Num:7  
15-735-7411...FAX 715-732-3477  
Emergency Phone Num:715-735-7411...TOM LAWSON EXT 580  
CAGE:03670  
=== Contractor Identification ===  
Company Name:ANSUL INC  
Address:ONE STANTON STREET  
Box:City:MARINETTE  
State:WI  
ZIP:54143-2542  
Country:US  
Phone:715-735-7411  
CAGE:03670

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Composition/Information on Ingredients  
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Ingred Name:TRIFLUOROBROMOMETHANE (HALON 1301) (SARA 313) (CERCLA)  
CAS:75-63-8  
RTECS #:PA5425000  
Fraction by Wt: >99%  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9495  
Ozo

ne Depleting Chemical:1

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

LD50 LC50 Mixture:LC50 (RAT) = >800,000 PPM/4 HOURS  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Explanation of Carcinogenicity:MFR GAVE THE ABOVE LISTINGS ON THE MSDS  
BUT NO OTHER COMMENTS WERE RECORDED ON THE MSDS.  
Effects of Overexposure:DIZZINESS, IMPAIRED COORDINATION, REDUCED  
MENTAL ACUITY, & CARDIAC EFFECTS CAN OCCUR. UNCONS  
CIOUSNESS OR  
DEATH IN HIGH CONCENTRATIONS & LONGER EXPOSURES. NONE CHRONIC  
EFFECTS KNOWN WHEN OCCUPATIONAL E XPOSURES ARE BELOW THE TLV.  
Medical Cond Aggravated by Exposure:CARDIAC PROBLEMS.

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

First Aid:EYE:FLUSH WITH PLENTY OF WATER FOR 15 MIN WHILE HOLDING LIDS  
OPEN. SKIN:WASH WITH COPIOUS AMOUNTS OF SOAP & WATER FOR AT LEAST  
15 MIN, IF REDNESS, ITCHING OCCURS, GET MEDICAL ATTN. TREAT  
FROSTBITE IF NECESSA  
RY. INHALED:REMOVE TO FRESH AIR,IF COUGH OR  
OTHER RESPIRATORY SYMPTOMS OCCUR, CONSULT MEDICAL PERSONNEL.  
INGESTION:NOT LIKELY TO OCCUR.

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

Flash Point:NON-FLAMMABLE  
Extinguishing Media:THIS IS A FIRE EXTINGUISHING AGENT.  
Fire Fighting Procedures:USE WATER TO COOL FIRE-EXPOSED CYLINDERS OR  
OTHER CONTAINERS. USE SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE AND PROTECTIVE CLOTHING FOR FIRES.  
Unusual Fire/E  
xplosion Hazard:CONTAINERS ARE EQUIPPED WITH PRESSURE AND  
TEMPERATURE RELIEF DEVICES, BUT RUPTURE MAY OCCUR UNDER FIRE  
CONDITIONS AND TOXIC DECOMPOSITION BY-PRODUCTS CAN FORM.

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

Spill Release Procedures:EVACUATE AREA. VENTILATE TO OUTSIDE  
ATMOSPHERE. COOL OR REMOVE HOT, METAL SURFACES OR SOURCE OF  
NON-EXTINGUISHED FLAMES.  
Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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===== Handling and Sto

rage =====

Handling and Storage Precautions:STORE AS A LIQUEFIED COMPRESSED GAS IN DOT APPROVED PRESSURE VESSELS AWAY FROM HIGH TEMPERATURE. CYLINDER MUST BE CAPPED OR CONNECTED FO A SYSTEM.

Other Precautions:NOTE INCOMPATIBILITY INFORMATION.

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

Respiratory Protection:NOT NORMALLY NECESSARY IF CONTROLS ARE ADEQUATE. FOR HIGH CONCENTRATIONS EXCEEDING 10% OR IF EXPOSURE IS PROLONGED, USE POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR.

Ventilation:MECHANICAL RECOMMENDED IN LOW AREAS OR INDOORS WHERE VAPORS MAY COLLECT. USE LOCAL EXHAUST TO CONTROL EXPOSURES.

Protective Gloves:PLASTIC IF WORKING W/LIQUID.

Eye Protection:CHEMICAL GOGGLES, FACE SHIELD

Other Protective Equipment:SAFETY SHOWER & EYE BATH IN WORK AREAS.

Work Hygienic Practices:MFR GAVE NO INFORMATION ON MSDS.

Supplemental Safety and Health

NONE

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

HCC:G3

NRC/Sta

te Lic Num:NONE

Boiling Pt:B.P. Text:-72F,-58C

Vapor Pres:199 PSI

Vapor Density:5.2

Spec Gravity:1.57

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS GAS, SWEET ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACTIVE METALS, FIRES OF METAL HYDRIDES.

Stability Condition to Avoid:DECOMPOSEEUNDER FIRE CONDITIONS ABOVE 900F.

Hazardous Decomposition Products:THERMAL DECOMPOSITION >900

F FORMS

HYDROGEN FLUORIDE & HYDROGEN BROMIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

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