

ANSUL FIRE PROTECTION, WORMALD U.S., INC. -- HALON 1211, BCF -- 4210-01-251-6274
===== Product Identification =====

Product ID:HALON 1211, BCF
MSDS Date:06/01/1989
FSC:4210
NIIN:01-251-6274
MSDS Number: BHYDT
=== 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:715-735-7411
Emergency Phone Num:715-735-7411
CAGE:03670
=== Contractor Identification ===
Company Name:4 INDUSTRIES INC
Address:2135 S JAMES RD
Box:City:COLUMBUS
State:OH
ZIP:43232
Country:US
Phone:614-876-4041
CAGE:4X153
Company Name:ALLSAFE FIRE EQUIPMENT INC
Address:2229 VIRGINIA AVE
Box:City:HAGERSTOWN
State:MD
ZIP:21740-7603
Country:US
Phone:301-582-1700
CAGE:9W536
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 =====

Ingred Name:CHLORODIFLUOROBROMOMETHANE

CAS:353-59-3

RTECS #:PA5270000

Fraction by Wt: >99%

Other REC Limits:NONE SPECIFIED

===== 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:ACUTE: DIZZINESS, IMPAIRED

COORDINATION, REDUCED MENTAL ACUITY, AND CARDIAC EFFECTS ABOVE 4%
CON

CENTRATION IN EXCESS OF ONE MINUTE. UNCONSCIOUSNESS OR EVEN

DEATH IN HIGH CONCENTRATIONS WITH LONGER EXPOSURES. CHRONIC:
UNKNOWN.

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

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:CARDIAC PROBLEMS MAY BE AGGRAVATED
BY OVEREXPOSURE.

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

First Aid:REMOVE VICTIM TO FRESH

AIR. GIVE SYMPTOMATIC AND SUPPORTIVE

CARE. GET MEDICAL ATTENTION. NOTE: ADRENALIN IS CONTRAINDICATED IN
THE TREATMENT OF OVEREXPOSURE TO HALON 1211. WASH EYES WITH PLENTY
OF WATER FOR 15 MINUTES. SKIN: WASH WITH PLENTY OF WATER FOR 15
MINUTES. INGEST: GIVE 1 TO 2 GLASSES OF WARM WATER AND DO NOT
INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NONE TO BOILING

Fire Fighting Procedures:THIS I

S A FIRE EXTINGUISHING AGENT. USE WATER

SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:CONTAINERS ARE EQUIPPED WITH PRESSURE AND
TEMPERATURE RELIEF DEVICES, BUT RUPTURE MAY OCCUR UNDER FIRE
CONDITIONS IF USED IN TEMPERATURES OVER 900 F.

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

Spill Release Procedures:EVACUATE AREA; VENTILATE TO OUTSIDE

ATMOSPHERE. COOL OR REMOVE HOT, METAL SURFACES OR SOURCE OF
NON-EXTINGUISHED FLA

MES.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE AS A LIQUEFIED COMPRESSED GAS IN DOT APPROVED PRESSURE VESSELS AWAY FROM HIGH TEMPERATURES, IF NOT CONNECTED TO A SYSTEM.
Other Precautions:NONE

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF EXPOSED TO CONCENTRATIONS GREATER THAN 4%. NOT NORMALLY REQUIRED OTHERWISE.
Ventilation:MECHANICAL- ALL INDOOR AREAS AND LOW AREAS. LOCAL-RECOMMENDED TO CONTROL EXPOSURES.
Protective Gloves:PLASTIC IF WORKING WITH LIQUID.
Eye Protection:CHEMICAL GOGGLES RECOMMENDED.
Other Protective Equipment:EYE WASH AND SAFETY SHOWERS ARE GOOD SAFETY PRACTICE IN WORK AREAS SHEN WORKING WITH LIQUEFIED PRODUCT.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.
Supplemental Safety and Health
NONE

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

HCC:G3
Boiling Pt:B.P. Text:26.0F,-3.3C
Vapor Pres:37.5
Vapor Density:5.7
Spec Gravity:1.83
Evaporation Rate & Reference:GAS AT ROOM TEMPERATURE
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 AND FIRES INVOLVING METAL HYDRIDES.
Stabilit

y Condition to Avoid:DECOMPOSES UNDER FIRE CONDITIONS ABOVE 900 F.

Hazardous Decomposition Products:FREE HALLGENS, HALOGEN ACIDS, AND SMALL AMOUNTS OF CARBONYL HALIDES.

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

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

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