

ANSUL FIRE PROTECTION, WORMALD U.S.INC. -- MONOBROMOTRIFLUOROMETHANE/NITROGEN
-- 6830-01-171-7361

===== Product Identification =====

Product ID:MONOBROMOTRIFLUOROMETHANE/NITROGEN
MSDS Date:06/01/1989
FSC:6830
NIIN:01-171-7361
Status Code:A
MSDS Number: CJDCC
=== 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:7
15-735-7411
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
Company Name:DDRV STOCK MAINTENANCE DIV/DDRV-H
Address:8000 JEFFERSON-DAVIS HIGHWAY
Box:City:RICHMOND
State:VA
ZIP:23297
Country:US
Phone:804-279-3125
CAGE:02LX8
Company Name:FIRE-X CORP
Address:3305 CROFT ST
Box:City:NORFOLK
State:VA
ZIP:23513-4903
Country:US
Phone:775-855-0196
CAGE:6K586
Company Name:FIRE-

X OF VA (804-266-8844)
Address:6107 STAPLES MILL RD
Box:9757
City:RICHMOND
State:VA
ZIP:23225
Country:US
Phone:804-266-8844
CAGE:0FA36

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

Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
Fraction by Wt: 1%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:ASPHYXIA NT; 9192

Ingred Name:TRIFLUOROBROMOMETHANE (HALON 1301) (SARA III)
CAS:75-63-8
RTECS #:PA5425000
Fraction by Wt: 99%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM
AC
GIH TLV:1000 PPM; 9192
Ozone Depleting Chemical:1

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: LIQUID FORM CAN PRODUCE CHILING SENSATIONS AND DISCOMFORT. SKIN: EVAPORATION OF LIQUID FROM SKIM CAN PRODUCE CHILING SENSATIONS. FROSTBITE CAN OCCUR. INHALATION: CAN CAUSE SUFFOCATION BY REDUC ING OXYGEN AVAILABLE FOR BREATHING.
INGESTION: NOT LIKELY TO OCCUR.
Effects of Overexposure:SKIN: FROSTBITE IS POSSIBLE. INHALATION: CAN CAUSE LIGH THEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, AND MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR EVEN DEATH.
Medical Cond Aggravated by Exposure:CARDIAC PROBLEMS.

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

First Aid:EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN. WHILE HOLDING LID OPEN. GET

MEDICAL ATTENTION IF
IRRITATION PERSISTS. SKIN: WASH THE MATERIAL OFF THE SKIN WITH
COPIOUS AMOUNTS OF SOAP AND WATER FOR AT LEAST 15 MIN. TREAT FOR
FROSTBITE IF NECESSARY. INHALATION: REMOVE VICTIM TO FRESH AIR.
SEEK MEDICAL ATTENTION IF NECESSARY.

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

Flash Point:NONE
Extinguishing Media:THIS IS A FIRE EXTINGUISHING AGENT.
Fire Fighting Procedures:USE WATER TO COOL FIRE-EXPOSED CONTAINERS. USE
SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND
PROTECTIVE CLOTHING WHEN ENTERING FIRE AREA.
Unusual Fire/Explosion Hazard:RUPTURE MAY OCCUR UNDER FIRE CONDITIONS
AND TOXIC DECOMPOSITION BY PRODUCTS MAY BE FORMED IF USED IN FIRES
OVER 900F.

===== 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:NONE

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

Handling and Storage Precautions:STORE AS A LIQUEFIED COMPRESSED GAS IN
DOT-APPROVED PRESSURE VESSELS AWAY FROM HIGH TEMPERATURES.
Other Precautions:NONE

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

Respiratory Protection:NOT NORMALLY NECESSARY IF CONTROLS ARE ADEQUATE.
Ventilation:LOCAL VENTILATION RECOMMENDED.
Protective Gloves:PLASTIC IF WORKING WITH LIQUID.
Eye Protection:CHEMICAL GOGGLES RECOMMENDED.
Other Protective Equipment:EYE WASH AND SAFETY SHOWERS.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE

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

HCC:G3
Boiling Pt:B.P. Text:-72F, CBRF3
Vapor Pres:199 PSI
Vapor Density:5.2
Spec Gravity:1.57
Solubility in Water:NIGLIGIBLE
Appearance and Odor:COLORLESS GAS, SWEET ODOR.
Percent Volatiles by Volume:100

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

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Stability Indicator/Materials to Avoid: YES
ACTIVE METALS AND FIRES INVOLVING METAL HYDRIDES.
Stability Condition to Avoid: HEAT OVER 900F.
Hazardous Decomposition Products: HYDROGEN FLUORIDE AND HYDROGEN BROMIDES.

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

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

===== Other Information =====

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