

ANNISTON ARMY DEPOT -- HALON 1301 FOR FIRE EXTINGUISHER -- 4210-01-179-1059

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Product Identification  
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Product ID:HALON 1301 FOR FIRE EXTINGUISHER

MSDS Date:01/17/1997

FSC:4210

NIIN:01-179-1059

MSDS Number: CCVTD

=== Responsible Party ===

Company Name:ANNISTON ARMY DEPOT

Address:7 FRANKFORD AVENUE

City:ANNISTON

State:AL

ZIP:35201-4199

Country:US

Info Phone Num:205-235-7776

Emergency Phone

Num:800-851-8061

Preparer's Name:HMIS-VBA

CAGE:75117

=== Contractor Identification ===

Company Name:ANNISTON ARMY DEPOT

Address:7 FRANKFORD AVENUE

Box:City:ANNISTON

State:AL

ZIP:35201-4199

Country:US

Phone:205-235-7776

CAGE:75117

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Composition/Information on Ingredients  
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Ingred Name:BROMOTRIFLUOROMETHANE

CAS:75-63-8

Fraction by Wt: 7.0% LBS

Other REC Limits:NONE SPECIFIED

Ozone Depleting Chemical:1

Ingred Name:NITROGEN (CYLINDER IS PRESSURIZED TO 750 PSI WITH

NITROGEN)

CAS:7727-37-9

RTECS #:QW9700000

Other REC Limits:NONE SPECIFIED

ACGIH TLV:ASPHYXIAN; 9495

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MAY ACT AS A SIMPLE ASPHYXIAN &

IRRITANT TO LUNGS, APPROXIMATE LETHAL CONCENTRATION OF PRODUCT TO THE RAT IS 80% FOR 15 MINUTES EXPO

SURE. PRODUCT HAS ANESTHETIC AND

CARDIAC EFFECTS IN HUMANS AT CONCENTRATIONS ABOVE 10% BY VOLUME.

CONCENTRATIONS BELOW 10% ARE CONSIDERED SAFE FOR 0 TO 5 MINUTES EXPOSURES.

Effects of Overexposure:THE ANESTHETIC EFFECT OF THE PRODUCT AT LEVELS BELOW 10% IS SIMILAR TO A FEELING OF MILD INTOXICATION. ANESTHETIC EFFECTS END RAPIDLY AFTER EXPOSURE IS TERMINATED. PROLONGED EXPOSURE TO CONCENTRATIONS ABOVE 10% (15-20%), MAY LEAD TO UNCONSCIOUSNESS AND POSSIBLY DEATH.

Medic

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

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

First Aid:REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING GIVE CPR AND OXYGEN IF NECESSARY, OR PROVIDE SYMPTOMIC AND SUPPORTIVE CARE. GET MEDICAL ATTENTION. NOTE: PRODUCT IS ASPHYXIAN AND MAY INDUCE CARDIAC MUSCLE SENSITIZATION TO EPINEPHRINE-LIKE COMPOUNDS. DO NOT USE ADRENALIN OR SIMILAR DRUGS IN THE TREATMENT OF OVEREXPOSURE.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS A NON-FLAMMABLE GAS. ALL CONVENTIONAL EXTINGUISHING MEDIA ARE SUITABLE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:PREDOMINANT DECOMPOSITION PRODUCTS ARE HYDROGEN FLUORIDE AND HYDROGEN BROMIDE WHICH ARE IRRITATING AND POTENTIALLY TOXIC, CONTAINERS MAY E

XPLODE DUE FIRE HEAT.

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

Spill Release Procedures:EVACUATE AND VENTILATE ENCLOSED AREAS IN CASE OF INADVERTENT DISCHARGE OF THE PRODUCT.

Neutralizing Agent:NONE.

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

Handling and Storage Precautions:AVOID PHYSICAL DAMAGE TO CONTAINER. STORE IN A COOL, WELL VENTILATED AREA BELOW 125 F.

Other Precautions:USE IN A WELL VENTILATED AREA.

===== Exposure

Controls/Personal Protection =====

Respiratory Protection:WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF EXPOSED TO CONCENTRATIONS GREATER THAN 10%

Ventilation:ALL INDOOR AREAS SHOULD BE WELL VENTILATED.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:NONE NORMALLY REQUIRED.

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:AVOID OVEREXPOSURE.

Supplemental Safety and Health

THE CYLINDERS ARE PRESSURIZED TO 750 PSI WITH NITROGEN.

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

HCC:G3

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

Vapor Pres:12,152@70F

Vapor Density:5.14

Spec Gravity:1.54

Evaporation Rate & Reference:>1 (CCL4 = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, LIQUIFIED GAS WITH SLIGHT ETHEREAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACTIVE METALS, FIRES OF METAL HYDRIDES, AND

MATERIAL CONTAINING OWN  
OXYGEN.

Stability Condition to Avoid:HIGH HEAT AND OPEN FLAMES.

Hazardous Decomposition Products:IN PRESENCE OF FLAMES/HOT SURFACES;  
HYDROGEN FLUORIDE, HYDROGEN BROMIDE, BROMINE, CARBONYL FLUORIDE,  
CARBONYL BROMIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPERSES IN THE ATMOSPHERE. UNUSED MATERIAL MAY  
BE RETURNED TO THE MANUFACTURER.

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