

ATOCHEM INC. FOREX FIRE EXTINGUISHANTS -- HALON 1301; PYROFORANE 1301; FOREX 1301 --
6830-00-965-9647

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

Product ID:HALON 1301; PYROFORANE 1301; FOREX 1301
MSDS Date:10/14/1987
FSC:6830
NIIN:00-965-9647
MSDS Number: BHFBF
=== Responsible Party ===
Company Name:ATOCHEM INC. FOREX FIRE EXTINGUISHANTS
Address:266 HARRISTOWN RD
Box:607
City:GLEN ROCK
State:NJ
ZIP:07452

Country:US
Preparer's Name:SAFETY & ENVIRON AFFAIRS
CAGE:MO388
=== Contractor Identification ===
Company Name:ATOCHEM INC FOREX FIRE EXTINGUISHANTS
Address:266 HARRISTOWN RD
Box:607
City:GLEN ROCK
State:NJ
ZIP:07452

Country:US
Phone:800-424-9300 (CHEMTREC)
CAGE:5P418
Company Name:ATOCHEM INC. FOREX FIRE EXTINGUISHANTS
Address:266 HARRISTOWN RD
Box:607
City:GLEN ROCK
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CAGE:MO388

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

Ingred Name:TRIFLU

OROBROMOMETHANE (HALON 1301) (SARA III)

CAS:75-63-8

RTECS #:PA5425000

Fraction by Wt: 100%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ozone Depleting Chemical:1

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Explanation of Carcinogenicity:BASED ON ANIMAL STUDIES/HUMAN

EXPERIENCES THIS PRODUCT POSESNO HAZARD TO MAN

Effects of Overexposure:EYE/SKIN: CONTACT W/

LIQUID CAN CAUSE FROSTBITE.

INHALATION: VAPOR IS >AIR & CAN CAUSE SUFFOCATION BY REDUCING
OXYGEN AVAILABLE FOR BREATHING.BREATHING VERY HIGHCONCENTRATIONS OF
VAPOR CAN CAUSE LIGHT- HEADEDNESS, GIDDINESS, SHORTNESS OFBREATH,
MAY LEAD TO NARCOSIS, CARDIC IRREGULARITIES, UNCONSCIOUSNESS OR
DEATH

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===== First Aid Measures =====
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First Aid:EYES: IMMEDIATELY FLUSH W/FLOWING WATER FOR 15 MINUTES. GET

MEDICAL ATTENTION SKIN: FLUSH WITH WATER.

CALL PHYSICIAN.

INHALATION: REMOVE TO FRESH AIR, CALL A PHYSICIAN. IF NOT BREATHING
GIVE ARTIFIC IAL RESPIRATION, PREFERABLY MOUTH TOMOUTH. DO NOT GIVE
EPINEPHRINE. INGESTION: NEVER GIVE FLUIDS OR INDUCE VOMITING IF
PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.

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===== Fire Fighting Measures =====
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Flash Point:NA

Extinguishing Media:HALON IS USED AS A FIRE EXTINGUISHING AGENT ITSELF

Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS MAY

BE

NECESSARY IF CYLINDER RUPTURES OR RELEASES PRODUCT UNDER FIRE
CONDITIONS.

Unusual Fire/Explosion Hazard:CONTAINERS ARE EQUIPPED W/TEMPERATURE &

PRESSURE RELIEF DEVICES BUT MAY STILL RUPTURE UNDER FIRE

CONDTIONS. THERMAL DECOMPOSITION MAY OCCUR

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===== Accidental Release Measures =====
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Spill Release Procedures:VENTILATE AREA ESPECIALLY LOW PLACES WHERE

HEAVY VAPORS MIGHT COLLECT. REMOVE HOT METAL SURFACES OR SOURCES
OF NON EXTINGUISH

ED FLAMES.

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

Handling and Storage Precautions:STORE LIQUIFIED COMPRESSED GAS IN A CLEAN, DRY, WELL VENTILATED AREA. DO NOT HEAT ABOVE 125F.

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

Respiratory Protection:SELF CONTAINED BREATHING APPARATUS IS REQUIRED IF LARGE SPILL OCCURS IN CONFINED AREA. UNDER NORMAL CONDITIONS NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT.

Ventilation:LOCA

L EXHAUST IS RECOMMENDED.

MECHANICAL IS REQUIRED ESPECIALLY IN LOW AREAS W/VAPORS COLL

Protective Gloves:LINED BUTYL GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:-71.95F

Vapor Pres:220 PSIG

Vapor Density:5.14

Spec Gravity:1.538

Evaporation Rate & Reference:NA

Solubility in Water:0.03% @ 77F

Appearance and Odor:CLEAR, LIQUIFIED GAS; SLIGHT ETHERAL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METAL POWDERED A1,Z ,B ,ETC. OR FIRES INVOLVING METAL HYDRIDES

Stability Condition to Avoid:EXPOSURE TO FLAMES OR HOT SURFACES ABOVE 930F WILL CAUSE DECOMPOSITION

Hazardous Decomposition Products:HALON 1301 MAYBE DECOMPOSED BY HIGH TEMP. FORMING HYDROGEN FLUORIDE, HYDROGEN BROMIDE, FREE BROMINE, POSS. CARBONYL

HALIDES

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

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS.RECLAIM IN SUITABLE VAPOR RECOVERY EQUIPMENT.

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