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ATOCHEM INC. FOREX FIRE EXTINGUISHANTS -- HALON 1211;PYROFORANE 1211;FOREX 1211 -- 6830-00-965-2309

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

Product ID:HALON 1211;PYROFORANE 1211;FOREX 1211

MSDS Date:10/14/1987

FSC:6830

NIIN:00-965-2309

MSDS Number: BHBTS === Responsible Party ===

Company Name: ATOCHEM INC. FOREX FIRE EXTINGUISHANTS

Address: 266 HARRISTOWN RD

Box:607

City:GLEN ROCK

State:NJ ZIP:07452 Coun

try:US

Preparer's Name: SAFETY & ENVIRONS 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

State:NJ ZIP:07452 Country:US CAGE:MO388

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

Ingred Name:BROMOCHLOR

ODIFLUOROMETHANE CAS:353-59-3 RTECS #:PA5250500

========= 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:EYE-CONTACT WITH LIQUID CAN CAUSE BURNS. SKIN-CONTACT WITH LIQUID CAN CAUSE FROSTBITE. INHALATION-NO TROUBLE OBSERVED AT CONCENTRATIONS BELOW 20,000PPM. AT HIGHER CONCENTRATIONS, NERVOUS TROUBLES AND POSSIBLE OF CARDIAC

RREGULARITIES.

Explanation of Carcinogenicity:HALON 1211 IS NOT CLASSIFIED AS A CARCINOGEN BY IARC, NTP OR OSHA.

Medical Cond Aggravated by Exposure:NOTE TO PHYSICIAN: PRODUCT IS AN ASPHYXIANT AND MANY INDUCE CARDIAC MUSCLE SENSITIZATION TO EPINEPHRINE-LIKE COMPOUNDS. DO NOT GIVE ADRENALIN OR SIMILAR SYMPATHOMIMETIC DRUGS.

First Aid:EYE-FLUSH WITH FLOWING WATER FOR 15 MIN. GET MED ATTN. SKIN-FLUSH WITH WAT

ER. CALL PHYSICIAN IF FROSTBITE SYMPTOMS OCCUR.
INHALATION-REMOVE TO FRESH AIR. CALL PHYSICIAN. IF NOT BREATHING
GIVE ARTIFICI AL RESPIRATION. PREFERABLTY MOUTH TO MOUTH.DO NOT
GIVE EPINEPHRINE. INGESTION-DO NOT INDUCE VOMITING IF PATIENT IS
UNCONSCIOUS OR HAVING CONVULSIONS.

Flash Point: NON-FLAMMABLE

Extinguishing Media:NON-FLAMMABLE PRODUCT-HALON 1211 IS USED AS A FIRE EXTINGUISHING AGENT ITSELF.

Fire Fi

ghting Procedures:SELF CONTAINED BREATHING APPARATUS MAY BE NECESSARY IF CYLINDER RUPTURES OR RELEASES PRODUCT UNDER FIRE CONDITIONS.

Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION GIVES TOXIC FUMES (HYDROBROMIC, HYDROCHLORIC, HYDROFLURIC ACIDS, POSSIBLE FREE HALOGENS AND CARBONYL HALIDES). CONT CAN RUPTURE UNDER FIRE

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

Spill Release Procedures: VENTILATE AREA, ESPECIALLY LOW AREAS WHERE HEAVY VAPORS MIGH

Handling and Storage Precautions:STORE AT TEMP BELOW 125F IN A WELL VENTILATED AREA STORAGE & HANDLING PRECAUTIONS AS APPLICABLE TO LIQUIFIED GASES UNDER PRESSURE. Other Precautions:NONE LISTED.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:SELF-CONTAINED BREATHIN G APPARATUS IS REQUIRED IF A LARGE SPILL OCCURS IN A CONFINED AREA.UNDER NORMAL CONDITIONS NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT. Ventilation:LOCAL EXHAUST RECOMMENDED. MECHANICAL REQ IN LOW AREAS WHERE VAPORS MAY COLLECT. Protective Gloves:YES WHEN HANDLING LIQUIFIED GAS. Eye Protection:CHEMICAL SAFETY GOGGLES. Other Protective Equipment:NONE LISTED. Supplemental Safety and Health NONE LISTED.
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Boiling Pt:B.P. Text:25F Vapor Pres:1758 MM HG Vapor Density:5.97@68F Spec Gravity:1.815 G/CC@68F Evaporation Rate & Deference:LIQUIFIED GAS Solubility in Water:NON-MISCIBLE Appearance and Odor:COLORLESS, SLIGHT ETHERAL ODOR. Percent Volatiles by Volume:100
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES ACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM, AND FIRES INVOLVING METAL HYDRIDES. Stability Condition to Avoid:EXPOS

T COLLECT. REMOVE HOT METAL SURFACES OR SOURCE OF

NON-EXTINGUISHED FLAMES. Neutralizing Agent:NONE LISTED. URE TO FLAMES OR HOT SURFACES ABOVE 850F WILL CAUSE DECOMPOSITION.

Hazardous Decomposition Products:AT TEMP >850F TOXIC FUMES (HYDROBROMIC, HYDROCHLORIC & HYDROFLUORIC ACIDS.POSSIBLY FREE HALOGENS & CARBONYL HALIDES).

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

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

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