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

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

Ingred Name:BROMOCHLOR

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 I

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

Spill Release Procedures: VENTILATE AREA, ESPECIALLY LOW AREAS WHERE HEAVY VAPORS MIGH T COLLECT. REMOVE HOT METAL SURFACES OR SOURCE OF NON-EXTINGUISHED FLAMES. Neutralizing Agent:NONE LISTED.

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.

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 & amp; Reference:LIQUIFIED GAS Solubility in Water:NON-MISCIBLE Appearance and Odor:COLORLESS, SLIGHT ETHERAL ODOR. Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoid:YES ACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM, AND FIRES INVOLVING METAL HYDRIDES. Stability Condition to Avoid:EXPOS 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).

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

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