

ATOCHEM INC FOREX FIRE EXTINGUISHANTS -- HALON 1301 FOREX 1301 -- 4210-00-930-2625
===== Product Identification =====

Product ID:HALON 1301 FOREX 1301

MSDS Date:06/01/1989

FSC:4210

NIIN:00-930-2625

MSDS Number: BMTXV

=== Responsible Party ===

Company Name:ATOCHEM INC FOREX FIRE EXTINGUISHANTS

Address:266 HARRISTOWN RD

Box:607

City:GLEN ROCK

State:NJ

ZIP:07452

Country:US

Info Phone Num:201-447-330

Emergency Phone Num:800-424-9300 (CHEMTREC)

CAGE:5P418

=== 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:GENERAL FIRE EXTINGUISHER CORP

Address:1685 SHERMER RD

Box:City:NORTHBROOK

State:IL

ZIP:60062-5315

Country:US

Phone:(708) 847-272-7500; 847-272-7500

CAGE:99539

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

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Ingred Name:TRIFLUOROBROMOMETHANE (HALON 1301) (SARA III)
CAS:75-63-8
RTECS #:PA5425000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192
Ozone Depleting Chemical:1

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE FROSTBITE OR "FREEZER BURNS" ON SKIN AND EYES I
F CONTACT MADE ON EXIT FROM EXTINGUISHER.
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS IF INHALED OR INGESTED.
MAY ALSO CAUSE CAUSE IRREGULARITIES OF HEART MUSCLE IF INHALED.
CHRONIC: NONE KNOWN BY MANUFACTURER.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALATION/INGESTION: DIZZINESS, DROWSINESS, NAUSEA, VOMITING, WEAKNESS. EYES/SKIN: REDNESS, TINGLING SENSATION, SKIN MAY TURN WHITE.
Medical Cond Aggravated by Exposure:ANEMIA, ASTHMA, DERMAL SENSITIVITY AND LOW BLOOD PRESSURE MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:INHALATION: REMOVE PERSON TO FRESH AIR. EYES: IMMEDIATELY FLUSH WITH WARM WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL HELP.
SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH LARGE AMOUNTS OF WATER. SEE DOCTOR IF FROSTBITTEN. INGESTION:
IF CONSCIOUS, INDUCE VOMITING. SEE DOCTOR.

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

Extinguishing Media:USE MEDIA FOR SURROUNDING FIRE. THIS IS A FIRE EXTINGUISHING AGENT.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:IRRITATING AND/OR TOXIC GASES MAY BE GENERATED BY DECOMPOSITION OF THIS MATERIAL DUE TO FIRE.
EXTINGUISHER MAY EXPLODE IF IMPINGED BY FIRE.

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== Accidental Release Measures ==

Spill Release Procedures: VENTILATE AREA AND REMOVE ALL IGNITION SOURCES. CONTAIN SPILL. ABSORB WITH INERT MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN A COOL, DRY AREA AWAY FROM SOURCES OF TEMPERATURES OVER 85°F.

Other Precautions: WHEN REFILLING, PROPERLY BOND AND GROUND.

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

Respiratory Protection: SELF-CONTAINED BREATHING APPARATUS MAY BE NEEDED DUE TO FIRE CONDITIONS. NONE NORMALLY REQUIRED FOR THIS MATERIAL UNLESS VERY HIGH CONCENTRATIONS ARE GENERATED AS IN MANUFACTURING OF THE MATERIAL.

Ventilation: USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves: NITRILE OR RUBBER IF PROLONGED CONTACT

Eye Protection: SPLASHPROOF GOGGLES WITH SIDE SHIELDS

Other Protective Equipment: W

EAR CLOTHING TO PREVENT PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

PROTECTIVE CLOTHING RECOMMENDED IS FOR MANUFACTURING OF HALON OR IF PHYSICAL DAMAGE TO A LARGE NUMBER OF FIRE EXTINGUISHERS OCCURS IN WAREHOUSING OR TRANSPORT. DO NOT WASTE TIME GETTING THE PROTECTIVE CLOTHING IN THE EVENT OF A FIRE!

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

HCC: G3

Boiling Pt: B.P. Text: -72°F, -58°C

Melt/Freeze Pt: M.P/F.P Text: -270°F, -168°C

Vapor Pres: 220 PSIG

Vapor Density: 5.14

Spec Gravity: 1.54

Solubility in Water: NEGLIGIBLE

Appearance and Odor: CLEAR, LIQUIFIED GAS, WITH A SLIGHT ETHERAL ODOR IN A FIRE EXTINGUISHER.

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

ALKALINE EARTH METALS, STRONG ALKALIS, POWDERD ALU

MINUM, ZINC,
BERYLLIUM.

Stability Condition to Avoid: EXPOSURE TO FLAMES OR TEMPERATURES ABOVE 850F.

Hazardous Decomposition Products: HYDROBROMIC, HYDROCHLORIC AND HYDROFLUORIC ACIDS, POSSIBLY FREE HALIDES AND CARBONYL HALIDES.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. MFR RECOMMENDS INCINERATION.

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