

ICI AMERICAS INC./FIRE FIGHTING CHEMICALS DIV. -- BFC (HALON 1211) -- 6830-00-285-5887

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Product Identification
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Product ID:BFC (HALON 1211)

MSDS Date:09/16/1988

FSC:6830

NIIN:00-285-5887

MSDS Number: BDTRD

=== Responsible Party ===

Company Name:ICI AMERICAS INC./FIRE FIGHTING CHEMICALS DIV.

Address:NEW MURPHY RD AND CONCORD PIKE

City:WILMINGTON

State:DE

Country:US

Emergency Phone Num:302

-575-3000

CAGE:1AT55

=== Contractor Identification ===

Company Name:ICI AMERICAS INC. (FILM DIVISION)

Address:NEW MURPHY ROAD AND CONCORD PIKE

Box:City:WILMINGTON

State:DE

ZIP:19897

Country:US

Phone:302-575-3000

CAGE:1AT55

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Composition/Information on Ingredients
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Ingred Name:BROMOCHLORODIFLUOROMETHANE

CAS:353-59-3

RTECS #:PA5270000

Fraction by Wt: 100%

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO In
gestion:NO

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

Health Hazards Acute and Chronic:PRODUCT IS GAS AT ROOM TEMPERATURE.

CONTACT WITH THE LIQUID MAY CAUSE FROSTBITE. PRODUCT IS TOXIC AT
CONCENTRATIONS ABOVE 4% FOR OVER 1 MINUTE.

Explanation of Carcinogenicity:NOT LISTED

Effects of Overexposure:EYE:CHILLING SENSATION,FROSTBITE. SKIN:CHILLING
SENSATION,FROSTBITE. INHALED:DIZZINESS,HEADACHE,NAUSEA,IMPAIRED
COORDINATION,UNCONSCIOUS. CARDIAC IRREGULARITIES IF ON EPINEPHRIN

E

TYPE DRUGS.

Medical Cond Aggravated by Exposure:ANY MEDICAL CONDITION AFFECTING
SAME ORGANS AS THOSE AFFECTED BY OVEREXPOSURE.

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First Aid Measures
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First Aid:EYES:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES,SEE
DOCTOR;INHALATION:REMOVE TO FRESH AIR,GIVE CPR/OXYGEN IF NEEDED,SEE
DOCTOR;INGESTION:GIVE 1 OR 2 GLASSES OF WATER,DO NOT INDUCE
VOMIT.LIE DOWN & KEEP WARM.SEEK MEDICAL ATTENTION.

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Fire
Fighting Measures
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Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:USE WATER TO COOL FIRE EXPOSED CYLINDERS OR OTHER
CONTAINERS.

Fire Fighting Procedures:SCBA WITH FULL FACEPIECE & PROTECTIVE CLOTHING
WHEN RE-ENTERING UNVENTILATED FIRE AREAS WHERE PRODUCT HAS BEEN
USED.

Unusual Fire/Explosion Hazard:WHEN BCF IS DISCHARGED INTO A FIRE IT
DECOMPOSES ABOVE 900F,RELEASING BROMIDE IONS.HALOGEN COMPOUNDS,SUCH
AS HALOGEN ACI
DS ARE ALSO FORMED.VACATE AREA&VENTILATE

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Accidental Release Measures
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Spill Release Procedures:VENTILATE AREA AND RECOVER ANY LIQUID.VAPOR IS
HEAVIER THAN AIR & CAN CAUSE SUFFOCATION BY REDUCING AVAILABLE
OXYGEN.PROTECT AGAINST FROSTBITE FROM EVAPORATING LIQUID.

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Handling and Storage
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Handling and Storage Precautions:STORE IN A COOL AREA WITH GOOD
VENTILATION.KEEP VAPORS AWAY FROM HIGH TEMPERATURE
SURFACES TO
AVOID TOXIC & CORROSIVE DECOMPOSITION PRODUCTS.

Other Precautions:ENFORCE "NO SMOKING" RULES IN AREAS OF USE.

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Exposure Controls/Personal Protection
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Respiratory Protection:NOT NORMALLY NEEDED.IF NEEDED,USE MSHA/NIOSH
APPROVED RESPIRATOR FOR ORGANIC VAOPRS. FOR HIGH CONCENTRATIONS &
OXYGEN-DEFICIENT ATMOSPHERES,USE POSITIVE PRESSURE AIR-SUPPLIED
RESPIRATOR.

Ventilation:VENTILATE LOW-LYING AREAS,SUCH AS SUMPS OR PITS WHERE DENSE
VAPOR

S MAY COLLECT. USE LOCAL EXHAUST TO CONTROL EXPOSURES.

Protective Gloves: IMPERVIOUS GLOVES

Eye Protection: CHEMICAL TIGHT GOGGLES & FACESHIELD

Other Protective Equipment: IMPERVIOUS APRON. EYEWASH STATION & SAFETY SHOWER.

Work Hygienic Practices: STANDARD HYGENIC PRACTICES.

Supplemental Safety and Health

HEALTH HAZARDS CONT'D: CAN RESULT IN POTENTIALLY FATAL HEART IRREGULARITIES.

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

HCC: G3

Boiling Pt: B.P. Text: 26F, -3C

Vapor P

res: 15 PSI

Vapor Density: 5.7

Spec Gravity: 1.83

Solubility in Water: INSOLUBLE

Appearance and Odor: COLORLESS GAS OR COLORLESS VOLATILE LIQUID WITH VERY FAINT SWEET ODOR.

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

ACTIVE METALS SUCH AS POWDERED ALUMINUM & MAGNESIUM, AND FIRES OF METAL HYDRIDES.

Stability Condition to Avoid: DECOMPOSES UNDER FIRE CONDITIONS (ABOVE 900F, 4820)

Hazardous Deco

mposition Products: FREE HALOGENS, HALOGEN ACIDS, AND SMALL AMOUNTS OF CARBONYL HALIDES.

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