

MINNESOTA MINING AND MFG CO -- FC-203CF LIGHT WATER BRAND AQUEOUS FILM FORMING
FOAM -- 4210-01-372-9251

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

Product ID:FC-203CF LIGHT WATER BRAND AQUEOUS FILM FORMING FOAM

MSDS Date:11/13/1995

FSC:4210

NIIN:01-372-9251

MSDS Number: CBSNC

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

Address:3M CTR

City:SAINT PAUL (FORMALLY IN DETROITT, MI)

State

:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-733-1341/612-733-1110

Emergency Phone Num:612-733-1341

CAGE:76381

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:866-556 5712 / 612-733-1110

CAGE:76381

Company Name:MINNESOTA MINING AND MFG CO PERFORMANCE CHEM AND FLUIDS DIV

Address:3M CTR

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:800-364-3577/651-737

-6501

CAGE:28112

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 69-71%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL MONOBUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Fraction by Wt: 19-21%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TRADE SECRET COMPONENT, ALKYL SULFATE SALT

Fraction by Wt: 4-6%

Other REC Limits:NONE RECOMMENDED

MIDE
DERIVATIVE

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHANOL, 2,2',2"-NITRILOTRI-; (TRIETHANOLAMINE)

CAS:102-71-6

RTECS #:KL9275000

Fraction by Wt: 0.5-1.5%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:5 MG/M3

Ingred Name:TRADE SECRET COMPONENT-PERFLUOROALKYL SULFONATE SALT

Fraction by Wt: 0.5-1.5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:1H-BENZOTRIAZOLE,METHYL-

CAS:29385-43-1

Fraction by Wt: 0-0.1%

Other REC Limits:NONE RECOMMENDED

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= 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:EYE-MODERATE EYE IRRITATION. SKIN-MILD SKIN IRRITATION. INHALATION-SINGLE OVEREXPOSURE, ABOVE RECOMMENDED GUIDELINES, MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION & IRRITATION (UPPER RESPIRATORY), BLOOD DISORDERS, BONE MARROW DEPRESSION, KIDNEY EFFECTS, LIVER EFFECTS, PULMONARY EDEMA. SW

ALLOWED-NO LIKELY ROUTE EXPOSURE.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS

CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:EYE-REDNESS, SWELLING, PAIN, TEARING & HAZY VISION. SKIN-REDNESS, SWELLING, & ITCHING. INHALATION-HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH, GIDDINESS & UNCONSCIOUSNESS. SORENESS OF THE NOSE & THROAT, COUGHING AND SNEEZING.

Medical Cond Aggravated by Expo

sure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
GET MEDICAL ATTENTION. SKIN: FLUSH SKIN WITH LARGE AMOUNTS OF
WATER. INHALATION: REMOVE PERSON TO FRESH AIR. IF SYMPTOMS
CONTINUE, CALL A PHYSICIAN. INGESTION: DRINK TWO GLASSES OF WATER.
CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:SCC
Flash Point:NONE
Extinguishing Media:PRODUCT IS A FIRE EXTINGUISHING AGENT. DLA-HMIS:
USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:NOT APPLICABLE.
Unusual Fire/Explosion Hazard:SEE HAZARDOUS DECOMPOSITION PRODUCTS
SECTION FOR PRODUCTS OF COMBUSTION.

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

Spill Release Procedures:OBSERVE PRECAUTIONS FROM OTHER SECTION. COVER
WITH ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. CLEANUP RESIDUE
WITH WATER. PLACE IN U. S. DOT APPROVED CONTAINER AND SEAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL PLACE. STORE AWAY FROM
HEAT. STORE OUT OF DIRECT SUNLIGHT. KEEP CONTAINER DRY. KEEP
CONTAINER IN WELL- VENTILATED AREA.
Other Precautions:KEEP CONTAINER TIGHTLY CLOSED.

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

Respiratory Protection:AVOID BREATHING OF VAPORS, MISTS OR SPRAY.
SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON
AIRBORNE CONCENTRATION OF CONTAMINANTS: HALF MASK ORGANIC VAPOR
RESPIRATOR WITH DUST.MIST PRE FILTER.
Ventilation:USE WITH ADEQUATE DILUTION VENTILATION.
Protective Gloves:BUTYL RUBBER GLOVES RECOMMENDED.
Eye Protection:WEAR VENTED GOGGLES.
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:WASH EXPOSED AREAS THOROUGHLY WITH SOAP &
WATER

. WASH HANDS AFTER HANDLING & BEFORE EATING.

Supplemental Safety and Health

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

HCC:B3

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:17

Vapor Density:0.77

Spec Gravity:1

pH:8.50

Evaporation Rate & Reference: