

MINNESOTA MINING & MFG CO INDUSTRIAL CHEM PRODUCTS -- FC-203CE LIGHT WATER BRAND
AQUEOUS FILM FORMING FOAM -- 4210-01-144-0291

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

MSDS Date:02/19/1997

FSC:4210

NIIN:01-144-0291

MSDS Number: CHKYN

==== Responsible Party ====

Company Name:MINNESOTA MINING & MFG CO INDUSTRIAL CHEM PRODUCTS

Address:3M CTR

Ci

ty:SAINT PAUL

State:MN

ZIP:55144

Country:US

Info Phone Num:800-364-3577

Emergency Phone Num:612-737-6501

CAGE:28112

==== 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:800-364-3577/651-73

7-6501

CAGE:28112

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Composition/Information on Ingredients
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Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 57-63%

Other REC Limits:NONE RECOMMENDED

Ingred Name:30ETHYLENE GLYCOL MONOBUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Other REC Limits:NONE RECOMMENDED

Ingred Name:AMPHOTERIC FLUOROALKYLAMIDE DERIVATIVES(2) NJTSR

04499600-5130P, TRADE SECRET

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

99600-5037P, TRADE SECRET

Fraction by Wt: 2.1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PERFLUOROALKYL SULFONATE SALTS (5) NJTSR 04499600-5142P,
TRADE SECRET

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:1H-BENZOTRIAZOLE,METHYL-; TOLYL TRIAZOLE

CAS:29385-43-1

RTECS #:DM1300000

Fraction by Wt: 0.05%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALKYL SULFATE SALTS(2) NJTSR 04499600-5154P & -51669, TRADE
SECRET

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMME
NDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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 IRRIT.SKIN:LUNG

INFLAMM:PROD CONTAINS SURFACTANTS WHICH HAVE BEEN SHOWN IN ANIMAL
STUDIES TO CAUSE LUNG INFLAMM RESULTING FROM PROL SKIN CONTACT.MILD
IRRIT(AFT PROL/REP CONTACT).MAY BE AB SORBED THRU SKIN IN

HARMFUL

AMTS.INHAL:CNS DEPRESS,IRRIT UPPER RESP TRACT.INGEST:ASPIRATON
PNEUMONITIS.

Effects of Overexposure:EYE4:REDENSS,SWELLING,PAIN,TEARING,HAZY

VISION.SKIN:LUNG INFLAMM-COUGHING,SHORNTCESS OF
BREATH.REDNESS,SWELLING,ITCHING.CNS

DEPRESS-HEAD,DIZZ,DROWS,INCOORDINATION,SLOWED RX TIME,SLURRED
SPEECH,GIDDINES S,UNCONSC.SORENESS OF

NOSE/THROAT,COUGH,SNEEZING.INGEST-COUGHING,DIFF

BREATH,WHEEZING,COUGHING UP BLOOD,PNEUMONIA-FATAL.

Medical Cond Aggravated by Exposure:N

ONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:IMMED FLUSH W/LG AMTS OF H2O @LEAST 15MINS.GET IMMED MED
ATTN.SKIN:FLUSH W/LG AMTS OF H2O.IRRIT PERSIST GET MED
ATTN.INHAL:SIGNS/SYMPT OCCUR MOVE TO FRESH AIR.SIGNS/SYMPT CONT
CALL DR.INGEST:DRINK 2 GLASSES OF H2O.CALL DR.

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

Flash Point Method:SCC
Flash Point:NONE
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:PRODUCT IS A FIRE-EXTINGUISHING AGENT.
Unusual Fire/Explosion Hazard:SEE HAZARDOUS DECOMPOSITION SECTION FOR
PRODUCTS OF COMBUSTION.

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

Spill Release Procedures:REFER TO MSDS FOR PHY/HEALTH HAZ/RESP
PROT/VENTI/PPE.24HR ASSIST 612-733-1110/612-733-6100.CONTAIN
SPILL.COVER W/ABSORBENT MATL.COLLECT MATL.CLEANUP RESIDUE.PLACE IN
DOT APPROV CNTNR.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL PLACE.STORE AWAY FROM
HEAT.STORE OUT OF DIRECT SUNLIGHT.KEEP CNTNR DRY.KEEP CNTNR IN WELL
VENTI AREA.KEEP CNTNR TIGHTLY CLSD.NON-FLAMM.
Other Precautions:AVOID EYE CONTACT W/VAP/SPRAY/MIST.AVOID SKIN
CONTACT.NO SMOKING:SMOKING WHILE USING PROD CAN RESULT IN CONTAM OF
TOBACCO &/OR SMOKE & LEAD TO FORMATION OF HAZ DECOMPO PRODS
MENTIONED IN MSDS.

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===== Exposu

re Controls/Personal Protection =====

Respiratory Protection:AVOID BREATH VAP/MIST/SPRAY.SELECT 1 OF FOLLOWING NIOSH APPROV RESP BASED ON AIRBORNE CONC OF CONTAM/IAW OSHA REGS:HALF-MASK ORGANIC VAPOR RESPIRATOR WITH DUST/MIST PREFILTER.

Ventilation:USE W/ADEQUATE DILUTION VENTILATION.

Protective Gloves:BUTYL RUBBER GLOVES

Eye Protection:VENTED GOGGLES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:DONT EAT/DRINK/SMOKE WHEN USING PROD.WASH EXPO

AREAS WELL W/SOAP/H2O.WASH HANDS AFT HNDLG/BEF EATING.

Supplemental Safety and Health

DISPO:PRODS WILL INCLUDE HF.DISPO OF COMPLETELY ABSORBED WASTE PROD IN FACI PERMITTED TO ACCEPT CHEM WASTES.

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

HCC:N1

Boiling Pt:=100.C, 212.F

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:17.0

Vapor Density:0.88

Spec Gravity:1.03

VOC Pounds/Gallon:309

pH:8.5

Evaporation Rate & Reference: