

MINNESOTA MINING & MFG INDUSTR -- FC-203CF LIGHT WATER AFF 3%

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MSDS Safety Information
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FSC: 4910
NIIN: 01-144-0291
MSDS Date: 09/29/1998
MSDS Num: CKSDK
Product ID: FC-203CF LIGHT WATER AFF 3%
MFN: 01
Responsible Party
Cage: 28112
Name: MINNESOTA MINING & MFG CO INDUSTRIAL CHEM PRODUCTS
Address: 3M C
TR
City: ST PAUL MN 55144
Info Phone Number: 612-733-5454
Emergency Phone Number: 800-364-3577
Resp. Party Other MSDS No.: 10-4322-3
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 28112
Name: MINNESOTA MINING AND MFG CO PERFORMANCE CHEM AND FLUIDS DIV
Address: 3M CTR
City: SAINT PAUL MN 55144-1000
Phone: 800-364-3577/651-737-6501
Contract Number: SP0500-98-D-209
1-5206

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Item Description Information
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Item Manager: S9I
Item Name: FOAM LIQUID, FIRE EXTINGUISHING
Specification Number: MIL-F-24385
Type/Grade/Class: 3 TYPE
Unit of Issue: DR
Quantitative Expression: 00000000055GL
UI Container Qty: 55GL
Type of Container: DRUM

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Ingredients
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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Effects of Exposure: EYE CONTACT: MODERATE EYE IRRITATION. SKIN CONTACT: MILD SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC SKIN REACTION. INHALATION: SINGLE OVEREXPOSURE, ABOVE RECOMMENDED GUIDELINES, MAY CAUSE CENTRAL

NERVOUS SYSTEM DEPRESSION & IRRITATION (UPPER RESPIRATORY). INGESTION MAY CAUSE: ASPIRATION PNEUMONITIS, IRRITATION OF GASTROINTESTINAL TISSUES, & CENTRAL NERVOUS SYSTEM DEPRESSION.

Signs And Symptoms Of Overexposure: EYE CONTACT: REDNESS, SWELLING, PAIN, TEARING, AND HAZY VISION. SKIN CONTACT: REDNESS, SWELLING, AND ITCHING. PROLONGED OR REPEATED EXPOSURE MAY CAUSE REDNESS, SWELLING, BLISTERING & ITCHING. INHALATION: HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH, GIDDINESS AND UNCONSCIOUSNESS, SORENESS OF THE NOSE AND THROAT, COUGHING AND SNEEZING. INGESTION: COUGHING, DIFFICULTY BREATHING, WHEEZING, COUGHING UP BLOOD AND PNEUMONIA, WHICH CAN BE FATAL. GASTROINTESTINAL PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS &/OR FECES.

First Aid: EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: IMMEDIATELY WASH SKIN WITH SOAP AND

LARGE AMOUNTS OF WATER. REMOVE CONTAMINATED CLOTHING. IF SIGNS/SYMPTOMS OCCUR, CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE AND DISPOSE OF CONTAMINATED SHOES. INHALATION: IF SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN. IF SWALLOWED: CALL A PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTION OF A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Handling and Disposal
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Spill Release Procedures: OBSERVE PRECAUTIONS FROM OTHER SECTIONS. VENTILATE AREA. CONTAIN SPILL. COVER WITH ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. CLEAN UP RESIDUE WITH WATER. PLACE IN A CLOSED CONTAINER.

Waste Disposal Methods: DISCHARGE SPENT SOLUTIONS & SMALL QUANTITIES (LESS THAN 5 GL(19 L)) TO A WASTEWATER TREATMENT SYSTEM. REDUCE DISCHARGE RATE IF FOAMING OCCURS. LARGE QUANTITIES MAY ADVERSELY AFFECT BIOLOGICAL WASTEWATER TREATMENT SY

STEMS. INCINERATE LARGE QUANTITIES IN AN INDUSTRIAL OR
COMMERCIAL INCINERATOR.

Handling And Storage Precautions: STORE AWAY FROM AREAS WHERE PRODUCT MAY COME
INTO CONTACT WITH FOOD OR PHARMACEUTICALS. STORE AT TEMPERATURES BELOW
120F(49C). STORE AT TEMPERATURES ABOVE 32F (0C). KEEP CONTAINER CLOSED WHEN
NOT IN USE. KEEP CONTAINER IN WELL VENTILATED AREA.

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Fire and Explosion Hazard Information
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Flash Point Method: SCC

Extinguishing Media: PRODUCT IS A FIRE-EXTINGUISHING AGENT.

Unusual Fire/Explosion Hazard: COMBUSTION PRODUCT WILL INCLUDE HF.

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Control Measures
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Respiratory Protection: AVOID BREATHING OF AIRBORNE MATERIAL. SELECT THE
FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF
CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS

: HALF-MASK ORGANIC VAPOR

R RESPIRATOR WITH DUST/MIST PREFILTER.

Ventilation: PROVIDE VENTILATION ADEQUATE TO CONTROL VAPOR CONCENTRATIONS BELOW
RECOMMENDED EXPOSURE LIMITS AND/OR CONTROL SPRAY OR MIST.

Protective Gloves: BUTYL RUBBER GLOVES.

Eye Protection: VENTED GOGGLES.

Work Hygienic Practices: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER. WASH HANDS AFTER
HANDLING
AND BEFORE EATING.

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Physical/Chemical Properties
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HCC: N1

Boiling Point: =100.C, 212.F

Vapor Pres: 17.4 MM HG CALC. @ 20C

Vapor Density: 1

Spec Gravity: 1.0 WATER=1

PH: 8.5

Viscosity: N/D

Solubility in Water: MISCIBLE

Appearance and Odor: CLEAR, AMBER COLORED LIQUID.

Percent Volatiles by Volume: 90

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Reactivity Data
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Stability Indicator: YES

Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE, OXIDES OF NITROGEN, OXIDES OF SULFUR, HYDROGEN FLUORIDE. THERMAL DECOMPOSITION OF USAGE CONCENTRATIONS DOES NOT PRESENT A HAZARD.

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Toxicological Information
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Ecological Information
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Ecological: 5-DAY BI

OCEMICAL OXYGEN DEMAND (BOD5): 0.35 G/G; 20-DAY BIOCHEMICAL OXYGEN DEMAND (BOD20): 0.75 G/G; 20-DAY BOD/COD: 0.96; CHEMICAL OXYGEN DEMAND (COD): 0.75 G/G; 96-HR LC50, FATHEAD MINNOW (PIMEPHAL ES PROMELAS): >1,000 MG/L; 48-HR EC50, WATER FLEA, (DAPHNIA MAGNA):>1,000 MG/L; 96-HR EC50, ALGAE (SELENASTRUM CAPRICORNUTUM): 143 MG/; (130-156); 30-MIN EC50, PHOTOBACTERIUM PHOSPHOREUM (MICROTOX SYS TEM): 280 MG/L (260-300); 3-HR, 20C EC50, ACTIVATED SLUDGE RESPIRATION (OECD METHOD #209): >1,000 MG/L. A PRODUCT ENVIRONMENTAL DATA SHEEPT (PED) IS AVAILABLE.

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MSDS Transport Information
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Regulatory Information
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State Regulatory Information: THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY SUBSTANCES REGULATED UNDER CALIFORNIA PROPOSITION 65.

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Other Information
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Other Information: THIS PRODUCT CONTAINS ONE OR MORE ORGANIC FLUOROCHEMICALS THAT HAVE THE POTENTIAL TO BE ABSORBED AND REMAIN IN THE BODY FOR LONG PERIODS OF TIME, EITHER AS THE PARENT MOLECULE OR AS METABOLITES, AND M AY ACCUMULATE WITH REPEATED EXPOSURES. THERE ARE NO KNOWN HUMAN HEALTH EFFECTS FROM ANTICIPATED EXPOSURE TO THESE ORGANIC FLUOROCHEMICALS WHEN USED AS INTENDED AND INSTRUCTED.

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Transportation Information
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Responsible Party Cage: 28112
Trans ID NO: 154425
Product ID: FC-203CF LIGHT WATER AFF 3%
MSDS Prepared Date: 09/29/1998
Review Date: 08/10/2000
MFN: 1
Multiple KIT Number: 0
Unit Of Issue: DR
Container QTY: 55GL
Type Of Container: DRUM

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: FC-203CF LIGHT WATER AFF 3%

Cage: 28112

Company Name: MINNESOTA

MINING AND MFG CO PERFORMANCE CHEM AND FLUIDS DIV

Street: 3M CTR

City: SAINT PAUL MN

Zipcode: 55144-1000

Health Emergency Phone: 800-364-3577

Label Required IND: Y

Date Of Label Review: 08/10/2000

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Health Hazard: Severe

Contact Hazard: Moderate

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: N/P. EYE CONTACT: MODERATE EYE
IRRITATION. SKIN CONTACT: MILD SKIN IR

RITATION. PROLONGED OR REPEATED

EXPOSURE MAY CAUSE ALLERGIC SKIN REACTION. INHALATION: SINGLE OVEREXPOSURE, ABOVE RECOMMENDED GUIDELINES, MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION & IRRITATION (UPPER RESPIRATORY). INGESTION MAY CAUSE: ASPIRATION PNEUMONITIS, IRRITATION OF GASTROINTESTINAL TISSUES, & CENTRAL NERVOUS SYSTEM DEPRESSION.

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