

MINNESOTA MINING & MFG INDUSTR -- FC-206CF LIGHT WATER AFFF6%

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MSDS Safety Information
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FSC: 4210
NIIN: 01-056-0883
MSDS Date: 12/17/1999
MSDS Num: CJMTN
Product ID: FC-206CF LIGHT WATER AFFF6%
MFN: 08
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: 612-733-5454
Resp. Party Other MSDS No.: 10-4323-1
Proprietary 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

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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: TYPE 6
Unit of Issue: DR
Quantitative Expression: 00000000055GL
UI Container Qty: 1
Type of Container: DRUM

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: MODERATE EYE IRRITATION. MILD SKIN IRRITATION. SKIN MAY ABSORB HARMFUL AMOUNTS. SINGLE OVEREXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM

DEPRESSION & IRRITATION (UPPER RESPIRATORY), PROLONG/REP OVEREXPOSURE MAY

CAUSE BLOOD DISORDERS, BONE MARROW DEPRESSION, KIDNEY EFFECTS, LIVER EFFECTS, PULMONARY EDEMA. INGESTION IS NOT A LIKELY ROUTE EXPOSURE.

Explanation Of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS. NOT KNOWN TO CONTAIN ANY SUBSTANCES REGULATED UNDER CA PROP 65.

Signs And Symptoms 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. PROLONGED WEAKNESS, FTG; REDUCED URINE VOL, BLOOD IN URINE, BACK PAIN; YELLOW SKIN (JAUNDICE), TENDERNESS OF UPPER ABD; COUGH, CONGESTION, DIFF BREATH-RESULT IN RESP FAILURE, DEATH.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES: IMMEDIATELY FLUSH W/LG AMTS OF H2O FOR

OR @LEAST 15 MINS. GET MEDICAL

ATTEN. SKIN: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET IMMEDIATE MEDICAL ATTENTION. INHALATION: REMOVE PERSON TO FRESH AIR. IF SYMPTOMS CONTINUE, CALL A PHYSICIAN. INGESTION: DRINK TWO GLASSES OF WATER. CALL A PHYSICIAN IMMEDIATELY.

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Handling and Disposal
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Spill Release Procedures: OBSERVE PRECAUTIONS FROM OTHER SECTIONS. VENTILATE

AREA. CONTAIN SPILL. COVER W/ ABSORBENT MATL. COLLECT SPILLED MATL. CLEANUP RESIDUE W/ H2O. PLACE IN APPROV METAL CNTNR. SEAL CNTNR.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISCHARGE SPENT SOLNS TO WASTE H2O TREAT SYS. RED DISCHARGE RATE IF FOAM OCCURS. LG QUANT MAY ADVERSELY AFFECT BIO WASTE H2O TREAT SYS. INCINERATE IN INDUST/COMMER FAC IN PRESENCE OF COMBUST MATL. COMBUST PRODUCTS WILL INCLUDE HF. SINCE REGS VARY CONSULT APPLIC REGS/AUTHOR BEF DISPO. IN EVENT

OF UNCNTRL RELEASE O F MATL,USER SHOULD DETERMINE(SEE OTHER INFO)

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.NONFLAMMABLE.NO

SMOKING:SMOKING WHILE USING PROD CAN RESULT IN CONTAM OF TOBACCO &/OR SMOKE &; LEAD TO FORMATION OF HAZ DECOMPO PRODUCTS MENTIONED IN MSDS.

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Fire and Explosion Hazard Information

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Flash Point Method: SCC

Flash Point Text: NONE

Extinguishing Media: PRODUCT IS A FIRE EXTINGUISHING AGENT.

Unusual Fire/Explosion Hazard: SEE HAZARDOUS DECOMPOSITION PRODUCTS SECTION FOR PRODUCTS OF COMBUSTION.

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Control Measures

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Respiratory Protection: AVOID BREATHING OF VAPORS, MISTS OR SPRAY. SELECT ONE

OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS &; I/A/W OSHA REGULATIONS: HALF MASK ORGANIC VAPOR RESP IRATOR WITH DUST/MIST PREFILTER.

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: DONT EAT/DRINK/SMOKE WHEN USING THIS PROD.WASH EXPO A

REAS WELL W/SOAP/H2O.WAH HANDS AFT HNDLG/BEF EATING.AVOID EYE CONTACT W/VAP/SRPAY/MIST.AVODI SKIN CONTACT.WEAR APPROP GLOVES WHEN HDNLG THIS MATL.

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Physical/Chemical Properties

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HCC: N1

NRC/State LIC No: NONE

Boiling Point: =100.C, 212.F

Decomp Text: UNKNOWN

Vapor Pres: 17.8

Vapor Density: 0.69

Spec Gravity: 1.03

PH: 8.50

VOC Grams/Liter: 103

Solubility in Water: MISCIBLE

Appearance a

nd Odor: CLEAR, AMBER COLORED LIQUID

Percent Volatiles by Volume: 90

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, OXIDES OF SULFUR, HYDROGEN CYANIDE, HYDROGEN FLUORIDE, AMMONIA. THERMAL DECOMPOSITION OF USAGE CONCENTRATIONS

DOES NOT PRESENT A HAZARD.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information
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Ecological Information
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Ecological: A PRODUCT ENVIRONMENTAL DATA SHEET (PED) IS AVAILABLE.

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MSDS Transport Information
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Regulatory Information
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Sara Title III Information: PRODUCT CONTAINS FOLLOWING TOXIC CHEM/CHEMS SUBJ TO REPORTING REQMTS OF SEC 313 OF TITLE III OF EPRA OF 1986 & 40CFR PART 372:DIETHYLENE GLYCOL BUTYL ETHER.

Federal Regulatory Information: VOC IAW SOUTH COAST AIR QUALITY MGMT DIS

T METHOD CALC. @20C.VOC LESS H2O & EXEMPT SOLVTS:N/D.

State Regulatory Information: THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY SUBSTANCES REGULATED UNDER CAL PROP 65.

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Other Information
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Other Information: CONTD DISPO:IF RELEASE QUALIFIES AS REPORTABLE QUANTITY.US EPA HAZ WASTE#:NONE(NO US EPA HAZ).

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Transportation Informati

on

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 Responsible Party Cage: 28112
 Trans ID NO: 148687
 Product ID: FC-206CF LIGHT WATER AFFF6%
 MSDS Prepared Date: 12/17/1999
 Review Date: 09/25/1999
 MFN: 8
 Net Unit Weight: 56.65LBS
 Multiple KIT Number: 0
 Unit Of Issue: DR
 Container QTY: 1
 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-206CF LIGHT WATER AFFF6%
 Cage: 28112
 Company Name: MINNESOTA MINING AND MFG CO PERFORMANCE CHEM AND FLUIDS DIV
 Street: 3M CTR
 City: SAIN

T PAUL MN

Zipcode: 55144-1000

Health Emergency Phone: 612-733-5454

Label Required IND: Y

Date Of Label Review: 09/25/1999

Status Code: A

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: MODERATE EYE IRRITATION. MILD SKIN IRRITATION. SKIN MAY ABSORB HARMFUL AMOUNTS. SINGLE OVEREXPOSURE MAY CAUSE

USE CENTRAL NERVOUS SYSTEM

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