

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 CT  
R  
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), PROLONGED

G/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

AT LEAST 15 MINS. GET MEDICAL

ATTENTION. 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 CONTNR. SEAL CONTNR.

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

F 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  
AR  
EAS WELL W/SOAP/H2O.WAH HANDS AFT HNDLG/BEF EATING.AVOID EYE CONTACT  
W/VAP/SRPAY/MIST.AVODI SKIN CONTACT.WEAR APPROP GLOVES WHEN HDNLTG 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 an

d Odor: CLEAR, AMBER COLORED LIQUID

Percent Volatiles by Volume: 90

Corrosion Rate: UNKNOWN

Reactivity Data

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.

Toxicological Information

Ecological Information

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

MSDS Transport Information

Regulatory Information

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 DIST

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.

Other Information

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

Transportation Informatio

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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: N  
OT 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: SAINT

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 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.

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