

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

MSDS Safety Information

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

Contractor Summary

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

Item Description Information

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

Ingredients

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 Condition 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 MATERIAL. COLLECT SPILLED MATERIAL. CLEANUP RESIDUE W/ H2O. PLACE IN APPROVED METAL CONTAINER. SEAL CONTAINER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISCHARGE SPENT SOLUTIONS TO WASTE H2O TREATMENT SYSTEM. RED DISCHARGE RATE IF FOAM OCCURS. LG QUANT MAY ADVERSELY AFFECT BIO WASTE H2O TREATMENT SYSTEM. INCINERATE IN INDUSTRIAL/COMMERCIAL FAC IN PRESENCE OF COMBUSTIBLE MATERIAL. COMBUSTION PRODUCTS WILL INCLUDE HF. SINCE REGS VARY CONSULT APPLICABLE REGS/AUTHOR BEFORE DISPOSAL. 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.

Fire and Explosion Hazard Information

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.

Control Measures

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 HDNLG THIS MATL.

Physical/Chemical Properties

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

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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 D

OES 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 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.

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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 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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