

3M SPECIALTY MATERIALS -- FC-206CF LIGHT WATER AFFF 6%

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MSDS Safety Information
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FSC: 4210
NIIN: 01-056-0883
MSDS Date: 03/16/2000
MSDS Num: CLCFP
Product ID: FC-206CF LIGHT WATER AFFF 6%
MFN: 01
Responsible Party
Cage: 52152
Name: 3M SPECIALTY MATERIALS
Address: 3 M CENTER
City: ST. PAUL MN 55144-
1000
Info Phone Number: 800-364-3577
Emergency Phone Number: 651-737-6501(24HR)
Resp. Party Other MSDS No.: 10-4323-1

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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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Effects of Exposure: EYE:MODERATE EYE IRRITATION. SKIN: MILD SKIN IRRITATION.
INHALATION: SINGLE OVEREXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION
AND IRRITATION (UPPER RESPIRATORY). SWALLOWED

: THERE ARE NO KNOWN HUMAN HEALTH EFFECTS FROM ANTICIPATED EXPOSURE TO THESE ORGANIC FLUORO-CHEMICALS WHEN USED AS INTENDED AND INSTRUCTED. INGESTION: ASPIRATION PNEUMONITIS. Signs And Symptoms Of Overexposure: EYE: REDNESS, SWELLING, PAIN, TEARING AND HAZY VISION. SKIN: REDNESS, SWELLING, AND 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. First Aid: EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION: REMOVE PERSON TO FRESH AIR. IF SYMPTOMS CONTINUE, CALL A PHYSICIAN. SWALLOWED: CALL PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTION OF 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. CLEANUP RESIDUE WITH WATER. PLACE IN CLOSED CONTAINER.

Waste Disposal Methods: DISCHARGE SPENT SOLUTIONS TO WASTEWATER TREATMENT SYSTEM. REDUCE DISCHARGE RATE IF FOAMING OCCURS.

LARGE QUANTITIES MAY ADVERSELY AFFECT BIOLOGICAL WASTEWATER TREATMENT SYSTEM. INCINERATE IN INDUSTRIAL/COMMERCIAL INCINERATOR. COMBUSTION PRODUCTS WILL INCLUDE HF.

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

Other Precautions: KEEP CONTAINER TIGHTLY CLOSED. NONFL

AMMABLE. NO SMOKING:

SMOKING WHILE USING PRODUCT CAN RESULT IN CONTAMINATION OF TOBACCO AND/OR SMOKE AND LEAD TO FORMATION OF HAZARDOUS DECOMPOSITION 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

ON PRODUCTS SECTION FOR
PRODUCTS OF COMBUSTION.

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Control Measures
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Respiratory Protection: AVOID BREATHING OF MATERIAL. SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS: HALF MASK ORGANIC VAPOR RESPIRATOR WITH DUST/MIST PREFILTER.

Ventilation: IF EXHAUST VENTILATION IS NOT ADEQUATE, USE APPROPRIATE RESPIRATORY

PROTECTION. PROVIDE VENTILATION ADEQUATE TO CONTROL VAPOR CONCENTRATIONS BELOW LIMIS.

Protective Gloves: AVOID SKIN CONTACT. BUTYL RUBBER GLOVES RECOMMENDED.

Eye Protection: AVOID CONTACT WITH VAPOR, SPARY OR MIST. WEAR VENTED GOGGLES.

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: DONT EA, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOS AREAS THOROUGHLY WITH SOAP AND WATER. WASH HANDS AFTER HANDLING AND BEFORE EATING.

Sup

plemental Safety and Health: HAZARD RATINGS: HEALTH=2, FLAMMBILITY=0, REACTIVITY=0, PERSONAL PROTECTION=X.

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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 MMHG

Vapor Density: 0.69

Spec Gravity: 1.03

PH: 8.50

VOC Grams/Liter: 103

Viscosity: N/D

Solubility in Water: MISCIBLE

Appearance and Odor: CLEAR, AMBE

R 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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Toxicological Information: A PRODUCT TOXICITY SUMMARY SHEET IS AVAILABLE. THIS PRODUCT CONTAINS ORGANIC FLUORO-CHEMICALS THAT HAVE POTENTIAL TO BE ABSORBED AND REMAIN IN BODY FOR LONG PERIODS OF TIME, EITHER AS THE PARENT MOLECULE OR AS METABOLITES, AND MAY ACCUMULATE WITH REPEATED EXPOSURES. THERE ARE NO KNOWN HUMAN HEALTH EFFECTS FROM ANTICIPATED EXPOSURE TO THESE ORGANIC FLUORO-CHEMICALS WHEN USED AS INTENDED AND INSTRUCTED. THIS PRODUCT CONTAINS ONE OR MORE ORGANIC FLUORO-CHEMICALS THAT HAVE THE POTENTIAL TO RESIST DEGRADATION AND PERSIST IN THE ENVIRONMENT.

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Ecological Information
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Ecological: PRODUCT ENVIRONMENTAL DATA SHEET (PED) IS AVAILABLE. 5-DAY

BIOLOGICAL OXYGEN DEMAND: 0.16 G/G; 20-DAY BIOLOGICAL OXYGEN DEMAND (BOD20): 0.18G/G; CHEMICAL OXYGEN DEMAND (COD): 0.34G/G; 20-DAY BOD/COD : 0.53, 96-HR LC50, FATHEAD MINNOW (PIMEPHALES PROMELAS): >1000 MG/L; 48-HR EC50, DAPHNIA MAGNA: >1,000 MG/L; 96-HR STATIC ALGAE (SELENASTRUM CAPRICORNUTUM): 254 MG/L (233-277); 30MIN. EC50, PHOTOBACTERIUM PHOSPHOREUM (MICROTOX SYSTEM): 680 MG/L(610-750); 3-HR EC50 (DECD METHOD #209): >1000 MG/L. VOLATILE

ORGANIC COMPOUNDS: 103 GMS/LITER SOUTH COAST AIR QUALITY MGMT DIST METHOD CALC. @ 20C. VOC LESS WATER AND EXEMPT SOLVENTS: N/D.

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MSDS Transport Information
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Regulatory Information
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Sara Title III Information: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICAL

ALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372: DIETHYLENE GLYCOL BUTYL ETHER. EPCRA HAZARD CLASS: FIRE HAZARD=NO, PRESSURE=NO, REACTIVITY=NO, ACUTE=YES, CHRONIC=NO.

Federal Regulatory Information: THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH CHEMICAL REGISTRATION REQUIREMENTS OF: TSCA, EINECS, CDSL, AICS, MITI. SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR

AUTHORITIES BEFORE DISPOSAL. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE QUALIFIES AS A REPORTABLE QUANTITY. U.S. EPA HAZARDOUS WASTE NUMBER = NONE (NOT A U.S. EPA HAZARDOUS). EPCRA HAZARD CLASS: FIRE HAZARD=NO, PRESSURE=NO, REACTIVITY=NO, ACUTE=YES, CHRONIC=NO.

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Other Information
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Other Information: IF SWALLOWED: ANIMAL STUDIES CONDUCTED ON ORGANIC

FLUORO-CHEMICALS WHICH ARE PRESENT IN THIS PRODUCT INDICATE EFFECTS INCLUDING LIVER DISTURBANCES, WEIGHT LOSS, LOSS OF APPETITE, LETHARGY, NEUROLOGICAL, PANCREATIC, ADRENAL & HEMATOLOGIC EFFECTS. *WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT & ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE US OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT. IRRITATION OF GASTROINTESTINAL TISSUES: PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS, & BLOOD IN FECES.

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Transportation Information
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Responsible Party Code: 52152
Trans ID NO: 156802
Product ID: FC-206CF LIGHT WATER AFFF 6%
MSDS Prepared Date: 03/16/2000
Review Date: 04/23/2001
MFN: 1
Net Unit Weight: 471.9 LBS
Multiple KIT Number: 0
Review IND:
Y
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

NSPORTATION

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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 AFFF 6%

Cage: 52152

Company Name: MINNESOTA MINING & MFG CO INDUSTRIAL TAPE & SPECIALTIES
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Street: 3M CENTER

City: ST PAUL MN

Zipcode: 55144-1000

Health Emergency Phone: 651-737-6501(24HR)

Label Required IND: Y

Date Of Label Review: 04/23/2001

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Pr

otection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: EYE:MODERATE EYE IRRITATION. SKIN: MILD SKIN

IRRITATION. INHALATION: SINGLE OVEREXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM
DEPRESSION AND IRRITATION (UPPER RESPIRATORY). SWALLOWED: THERE ARE NO KNOWN

HUMAN HEALTH EFFECTS FROM ANTICIPATED EXPOSURE TO THESE ORGANIC
FLUORO-CHEMICALS WHEN USED AS INTENDED AND INSTRUCTED. INGESTION: ASPIRATION
PNEUMONITIS.

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