View NSN Online: https://aerobasegroup.com/nsn/4210-01-056-8343

MINNESOTA MINING & MFG INDUSTR -- FC-206CF LIGHT WATER AFFF 6%

MSDS Safety Information

FSC: 4210

NIIN: 01-056-8343 MSDS Date: 03/16/2000 MSDS Num: CKTQR

Product ID: FC-206CF LIGHT WATER AFFF 6%

MFN: 09

Responsible Party Cage: 28112

Name: MINNESOTA MINING & amp; MFG CO INDUSTRIAL CHEM PRODUCTS

Address: 3M

CTR

City: SAINT PAUL MN 55144 Info Phone Number: 612-733-1000

Emergency Phone Number: 800-364-3577 Resp. Party Other MSDS No.: 10-4323-1

Proprietary Ind: Y Review Ind: Y Published: Y

Contractor Summary

Cage: 28112

Name: MINNESOTA MINING AND MFG CO PERFOMANCE 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: 6 TYPE

Unit of Issue: CN

Quantitative Expression: 00000000005GL

UI Container Qty: 1
Type of Container: CAN

Ingredients

Name: *** PROPRIETARY ***

Health Hazards Data

LD50 LC50 Mixture: NONE PROVIDED BY MFR.

Effects of Exposure: EYE CONTACT: MODERATE EYE IRRITATION. SKIN CONTACT: MILD SKIN IRRITATION (AFTER PROLONGED OR REPEATED CONTACT). INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION, IRRITATION (UPPER RESPIRATORY). INGESTION: MAY CAUSE ASPIRATION PNEUMONITIS, IRRITATION OF GI TISSUES, CNS DEPRESSION. ANI

MAL STUDIES CONDUCTED ON ORGANIC FLUOROCHEMICALS WHICH ARE PRESENT IN PRODUCT INDICATE EFFECTS INCLUDING LIVER DISTURBA NCES, WEIGHT LOSS, LOSS OF APPETITE, LETHARGY, AND NEUROLOGICAL, PANCREATIC, ADRENAL AND HEMATOLOGIC EFFECTS. THERE ARE NO KNOWN HUMAN HEALTH EFFECTS FROM ANTICIPATED EXPOSURE TO THESE FLUOROCHEMICALS WHEN USED AS INTENDED.

Explanation Of Carcinogenicity: NONE PROVIDED BY MFR.

Signs And Symptions Of Overexposure: EYE CONTACT: REDNESS, SWELLING, PAIN, TEARING, AND HAZ

Y VISION. SKIN CONTACT: REDNESS, SWELLING AND ITCHING.

INHALATION: HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH, GIDDINESS AND UNCONSCIOUSNESS, SORENESS OF NOSE AND THROAT, COUGHING AND SNEEZING. INGESTION: COUGHING, DIFFICULTY BREATHING, WHEEZING, COUGHING UP BLOOD AND PNEUMONIA, WHICH CAN BE FATAL.

Medical Cond Aggravated By Exposure: THERE ARE NO KNOWN HUMAN HEALTH EFFECTS FROM ANTICIPATED EXPOSURE TO THESE ORGANIC FLUOROCHEMICALS WHEN USED AS

INTENDED AND INSTRUCTED.

First Aid: EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. I NHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN. IF SWALLOWED: IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INST RUCTION OF A PHYSICIAN. NEVER GIVE ANYTHING B

Y MOUTH TO AN UNCONSCIOUS PERSON.

Handling and Disposal

Spill Release Procedures: OBSERVE PRECAUTIONS IN OTHER SECTIONS OF MSDS.

VENTILATE AREA. CONTAIN SPILL. COVER WITH ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. CLEAN UP RESIDUE WITH WATER. PLACE IN A CLOSED CONTAINER FOR DISP OSAL.

Neutralizing Agent: NONE PROVIDED BY MFR.

Waste Disposal Methods: DISCHARGE SPENT SOLUTIONS A

ND SMALL QUANTITIES (LESS

THAN 5 GAL. (19 L) TO A WASTEWATER TREATMENT SYSTEM. REDUCE DISCHARGE RATE IF FOAMING OCCURS. LARGE QUANTITIES MAY ADVERSELY AFFECT BIOGLOICAL WAST EWATER TREATMENT SYSTEMS. INCINERATE LARGE QUANTITIES IN AN INDUSTRIAL OR COMMERICAL INCINERATOR. CO MBUSTION PRODUCTS WILL INCLUDE HF.

Handling And Storage Precautions: STORE AWAY FROM AREAS WHERE PRODUCT MAY COME INTO CONTACT WITH FOOD OR PHARMACEUTICALS. STORE AT TEMPERATURES BELOW 120 DEG F (49 DEG C). STORE

AT TEMPERATURES ABOVE 32 DEG F (0 DEG C). KEEP

CONTAINER CLOSED WHEN NOT IN USE. KEEP CONTAINER IN WELL VENTILATED AREA. Other Precautions: KEEP CONTAINER TICHTLY CLOSED. NONFLAMMABLE. NO SMOKING: SMOKING WHILE USING THIS PRODUCT CAN RESULT IN CONTAMINATION OF THE TOBACCO AND/OR SMOKE AND LEAD TO FORMATION OF HAZARDOUS DECOMPOSITION PRODUCTS MENTIONED IN REACTIVITY DATA SECTION OF THIS MSDS.

Fire and Explosion Hazard Information

Flash Point Method: SCC Flash Point Text: NONE

Extinguishing Media: PRODUCT IS FIRE-EXTINGUISHING AGENT.

Unusual Fire/Explosion Hazard: PRODUCTS OF COMBUSTION INCLUDE CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, OXIDES OF SULFUR, HYDROGEN CYANIDE,

HYDROGEN FLUORIDE, AMMONIA. THERMAL DECOMPOSITION OF USAGE CONCENTRATIONS

DOES N OT PRESENT A HAZARD.

Control Measures

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Respiratory Protection: AVOID BREATHING OF AIRBORNE 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: PROVIDE VENTILATION ADEQUATE TO CONTROL VAPOR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS AND/OR CONTROL SPRAY OR MIST.

Protective Gloves: BUTYL RUBBER GLO

VES ARE RECOMMENDED.

Eye Protection: AVOID EYE CONTACT WITH VAPOR, SPRAY, OR MIST. WEAR VENTED

GOGGLES.

Other Protective Equipment: AVOID SKIN CONTACT.

Work Hygienic Practices: NONE PROVIDED BY MFR.

Supplemental Safety and Health: PREVENTION OF ACCIDENTAL INGESTION: 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.

Physical/Chemical Prop

erties

HCC: N1

Boiling Point: =100.C, 212.F

B.P. Text: INITIAL

Decomp Text: NONE PROVIDED BY MFR. Vapor Pres: APPROX 17.8 MMHG @ 20C

Vapor Density: 0.69(AIR=1 Spec Gravity: 1.03 (WATER=1)

PH: APPROX 8.5

Viscosity: NOT DETERMINED Solubility in Water: MISCIBLE.

Appearance and Odor: CLEAR, AMBER COLORED LIQUID.

Percent Volatiles by Volume: APPROX 90% Corrosion Rate: NONE PROVIDED BY MFR

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: NONE PROVIDED BY MFR.

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

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Toxicological Information: A PRODUCT TOXICITY SUMMARY SHEET IS AVAILABLE. THIS PRODUCT CONTAINSORGANIC FLUOROCHEMICALS THAT HAVE POTENTIAL TO BE ABSORBED AND REMAIN IN BODY FOR LONG PERIODS OF TIME, EITHER AS THE PARENT MOLECUL E OR AS METABOLITES, AND MAY ACCUMULATE WITH REPEATED EXPOSURES. THERE ARE NO KNOWN HUMAN HEALTH EFFECTS FROM ANTICIPATED EXPOSURE TO THESE ORGANIC FLUO

ROCHEMICALS WHEN USED AS INTENDED AND INSTRUCTED. THIS PRODUCT CONTAINS ONE OR MORE ORGANIC FLUOROCHEMICALS THAT HAVE THE POTENTIAL TO RESIST DEGRADATION AND PERSIST IN THE ENVIRONMENT.

Ecological Information

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 OXY

GEN 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, PHOTOBACT ERIUM 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 LE SS WATER AND EXEMPT SOLVENTS: N/D

MSDS Transport Information

Regulatory Information

Sara Title III Information: SECJ 313 OF TITLE III OF EPCRA:DIETHYLENE GLYCOL BUTYL ETHER.

Federal Regulatory Information: THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH CHEMICAL REGISTRATION REQUIREMENTS OF: TSC

A, EINECS, CDSL,

AICS, MITI. SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFOR E 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. EP A HAZARDOUS).

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

Other Inform

ation

Other Information: EPCRA HAZARD CLASS: FIRE HAZARD: NO. PRESSURE: NO.

REACTIVITY: NO. ACUTE: YES. CHRONIC: NO.

Transportation Information

Responsible Party Cage: 28112

Trans ID NO: 154857

Product ID: FC-206CF LIGHT WATER AFFF 6%

MSDS Prepared Date: 03/16/2000

Review Date: 10/03/2000

MFN: 9

Net Unit Weight: 43 LBS

Multipl

e KIT Number: 0 Unit Of Issue: CN Container QTY: 1

Type Of Container: CAN

Detail DOT Information

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THI

S MODE OF TRANSPORTATION

Detail IATA Information

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail AFI Information

AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

HAZCOM Label

Product ID: FC-206CF LIGHT WATER AFFF 6%

Cage: 28112

Company Name: MINNESOTA MINING AND MFG CO PERFOMANCE 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: 10/03/2000

Status Code: A

Label Date: 10/03/2000
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES

Signal Word: CAU

TION

Respiratory Protection IND: YES

Health Hazard: Slight Contact Hazard: Slight Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: EYE CONTACT: MODERATE EYE IRRITATION. SKIN CONTACT: MILD SKIN IRRITATION (AFTER PROLONGED OR REPEATED CONTACT). INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION, IRRITATION (UPPER RESPIRATORY). INGESTION: MAY CAUSE ASPIRATION PNEUMONITIS, IRRITATION OF GI TISSUES, CNS DEPRESSION. ANIMAL STUDIES CONDUCTED ON ORGANIC FLUOROCHEMICALS WHICH ARE PRESENT IN

PRODUCT INDICATE EFFECTS INCLUDING LIVER DISTURBA NCES, WEIGHT LOSS, LOSS OF APPETITE, LETHARGY, AND NEUROLOGICAL, PANCREATIC, ADRENAL AND HEMATOLOGIC EFFECTS. THERE ARE NO KNOWN HUMAN HEALTH EFFECTS FROM ANTICIPATED EXPOSURE TO THESE FLUOROCHEMICALS. WHEN USED AS INTENDED.

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eek competent professional advice to verify

and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.