

STOCK NUMBER	MFR CAGE	PN IND	FP IND	STATUS	NO ENTRIES	STOCK NUMBER	MFR CAGE	PN IND	FP IND	STATUS	NO ENTRIES
7510-01-139-4879	75364	A	G		001 OF 001	4210-01-139-4972	03670	A	D		001 OF 002

## \* \* \* FIRE AND EXPLOSION HAZARD DATA \* \* \*

FLASH POINT..... 171F TCC 76C T  
 EXTINGUISHING MEDIA.... WILL NOT SUSTAIN FLAME  
 SPEC FIRE FIGHT PROC... N/A

## \* \* \* REACTIVITY DATA \* \* \*

STABILITY..... YES  
 HAZ POLYMERIZATN OCCUR. NO

## \* \* \* HEALTH HAZARD DATA \* \* \*

SIGNS AND SYMPTOMS OF  
 EXPOSURE..... UNKNOWN

## \* \* \* PRECAUTIONS FOR SAFE HANDLING AND USE \* \* \*

STEPS TO BE TAKEN IF  
 MATL IS RELEASED/SPILL.. WIPE UP AT ONCE. DRIED INK CAN BE SOAKED  
 W/SOAP SOLUTION & RINSED.  
 WASTE DISPOSAL METHOD... STANDARD SEWAGE PROCEDURES.  
 HANDLING/STORAGE PREC.. DO NOT ALLOW TO FREEZE WHICH COULD CAUSE  
 LEAKAGE BELOW 25F.

## \* \* \* CONTROL MEASURES \* \* \*

## \* \* \* TRANSPORTATION DATA \* \* \*

DATE TECH REVIEW-TRANS. 14FEB86

DOT PSM CODE..... ZZZ  
 DOT SHIPPING NAME..... NOT REGULATED FOR THIS MODE OF TRANSPORT  
 . ATION  
 DOT HAZARD CLASS..... N/R  
 DOT LABEL..... N/R  
 DOT ID NUMBER..... N/R

STOCK NUMBER	MFR CAGE	PN IND	FP IND	STATUS	NO ENTRIES
4210-01-139-4972	03670	A	D		001 OF 002

PART NO/TRADE NAME..... AMSULITE 3X AFFF (AFC-5-A)  
 DATE TECH REVIEW-SAFE.. 18MAR87  
 SUPPLY ITEM MANAGER.... AX

## \* \* \* GENERAL INFORMATION \* \* \*

CONTINUED ON TOP RIGHT HAND SIDE OF THIS FRAME/PAGE  
 N/K = NOT KNOWN N/R = NOT RELEVANT N/A = NOT APPLICABLE

\* PROPRIETARY DATA..... NO  
 \* ITEM NAME..... FOAM LIQUID, FIRE EXTINGUISHING  
 \* MANUFACTURER..... ANSUL FIRE PROTECTION, WORMALD U.S., INC.  
 \* EMERGENCY TELEPHONE NO. 715-735-7411  
 \* SPECIFICATION NO..... MIL-F-24385  
 \* HAZ CHARACTERISTIC CODE. L1Z01  
 \* UNIT OF ISSUE..... CM  
 \* U/I CONTAINER QUANTITY. 5 GAL

## \* \* \* INGREDIENTS/IDENTITY INFORMATION \* \* \*

\* NIOSH RTECS NO.....1 KJ910000  
 \* INGREDIENT NO.....1 DIETHYLENE GLYCOL MONOBUTYL ETHER (OR BUT  
 . YL CARBITOL), CAS#112-34-5.  
 \* PERCENT NO.....1 20  
 \* ACGIH TLV NO.....1 N/K  
 \* NIOSH RTECS NO.....2 9999999ZZ  
 \* INGREDIENT NO.....2 PROPRIETARY MIXTURE (HYDROCARBON SURFACTA  
 . MTS, FLUOROSURFACTANTS, & INORGANIC SALTS  
 . & WATER)  
 \* PERCENT NO.....2 80  
 \* ACGIH TLV NO.....2 N/R

## \* \* \* PHYSICAL/CHEMICAL CHARACTERISTICS \* \* \*

\* APPEARANCE AND ODOR.... CLEAR STRAW COLORED LIQUID, MILD SWEET OD  
 . OR.  
 \* BOILING POINT..... 206.6F/97C  
 \* VAP PRESS/MM HG/700 F/. N/K  
 \* VAP DENSITY (AID =1)... 1  
 \* SPECIFIC GRAVITY..... 1.02  
 \* EVAP RATE & REFERENCE.. 0.48, BUAC=1  
 \* SOLUBILITY IN WATER.... 100X  
 \* PCT VOLATILES BY VOL... 95

## \* \* \* FIRE AND EXPLOSION HAZARD DATA \* \* \*

\* FLASH POINT..... N/R  
 \* LOWER EXPLOSIVE LIMIT.. N/R  
 \* UPPER EXPLOSIVE LIMIT.. N/R  
 \* EXTINGUISHING MEDIA.... NONE  
 \* SPEC FIRE FIGHT PROC... THIS IS AN EXTINGUISHING AGENT.  
 \* UNUS FIRE & EXPLOS HAZ. NONE

## \* \* \* REACTIVITY DATA \* \* \*

\* STABILITY..... YES  
 \* COND TO AVOID (STABIL).. NONE  
 \* MATERIALS TO AVOID..... REACTIVE METALS, ELECTRICALLY ENERGIZED E  
 . Q, SEE "SUPP"  
 \* HAZ DECOMPOSITION PROD. NONE

## \* CONTINUED ON NEXT FRAME/PAGE BELOW

\* N/K = NOT KNOWN N/R = NOT RELEVANT N/A = NOT APPLICABLE



GCL019

J13

## HAZARDOUS MATERIALS INFORMATION SYSTEM BASIC PUBLICATION

STOCK NUMBER	MFR CAGE	PM IND	FP IND	STATUS	NO ENTRIES	STOCK NUMBER	MFR CAGE	PM IND	FP IND	STATUS	NO ENTRIES
4210-01-139-4972	03670	A	D		001 OF 002	4210-01-139-4972	03670	A	D		001 OF 002

HAZ POLYMERIZATN OCCUR. NO

## \* \* \* HEALTH HAZARD DATA \* \* \*

SIGNS AND SYMPTOMS OF EXPOSURE.....

MILD TRANSIENT IRRITANT TO EYE &amp; SKIN &amp; MUCOUS MEMBRANES.

EMERGENCY AND FIRST AID PROCEDURES.....

EYE: FLUSH W/LARGE AMOUNTS OF WATER; SKIN: WASH W/ SOAP &amp; WATER; INH: REMOVE TO FRESH AIR, SEEK MEDICAL ATTENTION IF DISCOMFORT CONTINUES; ING: IF PATIENT CONSCIOUS, GIVE LARGE AMOUNTS OF WATER &amp; INDUCE VOMITING, SEEK MEDICAL HELP.

## \* \* \* PRECAUTIONS FOR SAFE HANDLING AND USE \* \* \*

STEPS TO BE TAKEN IF MATL IS RELEASED/SPILL..

RINSE FLOOR THOROUGHLY WITH WATER AS MATERIAL IS SLIPPERY. PREVENT MATERIAL FROM REACHING SEWERS OR WATERWAYS TO AVOID NUISANCE FOAMING.

WASTE DISPOSAL METHOD..

KEEP IN COVERED DRUMS, PENDING DISPOSAL. HANDLE &amp; DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE, &amp; LOCAL REGULATIONS.

HANDLING/STORAGE PREC..

STORE IN ORIGINAL CONTAINER. DO NOT MIX AGENTS. AVOID SKIN &amp; EYE CONTACT. AVOID INGESTION.

OTHER PRECAUTIONS.....

NONE

## \* \* \* CONTROL MEASURES \* \* \*

RESPIRATORY PROTECTION. NONE

VENTILATION..... MECHANICAL RECOMMENDED

PROTECTIVE GLOVES..... NONE

EYE PROTECTION..... CHEM-SPLASH GOGGLES

OTHER PROTECTIVE EQUIP. SAFETY SHOWER &amp; EYE BATH

SUPPLEMENTAL SAFETY &amp; HEALTH DATA.....

MSDS DATED 6-1-86. "INCOMPATIBILITY": ANY MATERIAL REACTS W/WATER.

## \* \* \* TRANSPORTATION DATA \* \* \*

DATE TECH REVIEW-TRANS. 18MAR87

DOT PSM CODE..... ZZZ

DOT SHIPPING NAME..... NOT REGULATED FOR THIS MODE OF TRANSPORT

DOT HAZARD CLASS..... N/R

DOT LABEL..... N/R

CONTINUED ON TOP RIGHT HAND SIDE OF THIS FRAME/PAGE  
N/K = NOT KNOWN N/R = NOT RELEVANT N/A = NOT APPLICABLE

\* DOT ID NUMBER..... N/R

\* IMO PSM CODE..... ZZZ

\* IMO SHIPPING NAME..... NOT REGULATED FOR THIS MODE OF TRANSPORT

\* IMDG PAGE NUMBER..... N/R

\* UN NUMBER..... N/R

\* UN CLASS..... N/R

\* SUBSIDIARY RISK LABEL.. N/R

\* IATA PSM CODE..... ZZZ

\* IATA SHIPPING NAME..... NOT REGULATED BY THIS MODE OF TRANSPORT

\* IATA CLASS OR DIVISION. N/R

\* IATA SUBSID RISK CLASS. N/R

\* IATA LABEL..... N/R

\* UN OR ID NUMBER..... N/R

\* AFR 71-4 PSM CODE..... ZZZ

\* AFR 71-4 SHIPPING NAME. NOT REGULATED FOR THIS MODE OF TRANSPORT

\* AFR 71-4 CLASS..... N/R

\* AFR 71-4 LABEL..... N/R

\* ID NUMBER..... N/R

STOCK NUMBER	MFR CAGE	PM IND	FP IND	STATUS	NO ENTRIES
4210-01-139-4972	03670	B	D		002 OF 002

\* PART NO/TRADE NAME..... HALON 1211, BCF

\* DATE TECH REVIEW-SAFE.. 04JUN87

\* SUPPLY ITEM MANAGER... AX

## \* \* \* GENERAL INFORMATION \* \* \*

\* PROPRIETARY DATA..... NO

\* ITEM NAME..... HALON 1211, BCF

\* MANUFACTURER..... ANSUL FIRE PROTECTION, WORMALD U.S., INC

\* EMERGENCY TELEPHONE NO. 715-735-7411

\* SPECIFICATION NO..... MIL-F-24385

\* HAZ CHARACTERISTIC CODE. L1201

\* UNIT OF ISSUE..... CN

\* U/I CONTAINER QUANTITY. 5.0 GL

\* TYPE CONTAINER..... PAIL

\* NET UNIT WEIGHT..... N/K

## \* \* \* INGREDIENTS/IDENTITY INFORMATION \* \* \*

\* MIOSSH RTECS NO..... 1 PAS270000

CONTINUED ON NEXT FRAME/PAGE BELOW  
\* N/K = NOT KNOWN N/R = NOT RELEVANT N/A = NOT APPLICABLESAME/NSN/AS  
PKP



GCLD19

K13

## HAZARDOUS MATERIALS INFORMATION SYSTEM BASIC PUBLICATION

STOCK NUMBER	MFR CAGE	PM IND	FP IND	STATUS	NO ENTRIES	STOCK NUMBER	MFR CAGE	PM IND	FP IND	STATUS	NO ENTRIES
4210-01-139-4972	03670	B	D		002 OF 002	4210-01-139-4972	03670	B	D		002 OF 002

INGREDIENT NO.....1 BROMOCHLORODIFLUOROMETHANE ,CAS#353-59-3  
 PERCENT NO.....1 >99  
 ACGIH TLV NO.....1 NOT ESTABLISHED

## \* \* \* PHYSICAL/CHEMICAL CHARACTERISTICS \* \* \*

APPEARANCE AND ODOR.... COLORLESS,SWEET ODOR  
 BOILING POINT..... 79F/26C  
 VAP PRESS/MM HG/700 F/. 38  
 VAP DENSITY (AID =1)... 5.7  
 SPECIFIC GRAVITY..... 1.83  
 EVAP RATE & REFERENCE.. GAS AT ROOM TEMP  
 SOLUBILITY IN WATER.... NEGLIGIBLE  
 PCT VOLATILES BY VOL... 100  
 AUTOIGNITION TEMP..... N/R

## \* \* \* FIRE AND EXPLOSION HAZARD DATA \* \* \*

FLASH POINT..... NONE TO BOILING  
 LOWER EXPLOSIVE LIMIT.. N/R  
 UPPER EXPLOSIVE LIMIT.. N/R  
 EXTINGUISHING MEDIA... N/R,USE ANY MEDIA FOR SURROUNDING FIRES.  
 SPEC FIRE FIGHT PROC... USE WATER TO COOL FIRE-EXPOSED CYLINDERS  
 OR USE SCBA IN CONF  
 UNUS FIRE & EXPLOS HAZ. RUPTURE MAY OCCUR UNDER FIRE CONDITIONS  
 AND TOXIC DECOMPOSITION BY-PRODUCTS MAY  
 BE FORMED IF ABV 900

## \* \* \* REACTIVITY DATA \* \* \*

STABILITY..... YES  
 COND TO AVOID (STABIL). DECOMPOSES UNDER FIRE CONDITIONS ABOVE 9  
 00F.  
 MATERIALS TO AVOID..... AL,MG AND FIRES OF METALHYDRIDES  
 HAZ DECOMPOSITION PROD. THERMAL DECOMPOSITION: HALOGEN,HALOGEN A  
 CIDS,CARBONYL HALIDE  
 HAZ POLYMERIZATM OCCUR. NO  
 COND TO AVOID (POLYMR). NONE SPECIFIED

## \* \* \* HEALTH HAZARD DATA \* \* \*

SIGNS AND SYMPTOMS OF  
 EXPOSURE..... EYES/SKIN:CHILLING SENSATIONS AND DISCOM  
 FORT.INHL:TOXIC SIDE EFFECT;DIZZINESS.UM  
 CONSCIOUSNESS HIGH C  
 EMERGENCY AND FIRST AID  
 PROCEDURES..... INHALE:REMOVE TO FRESH AIR, GIVE CPR/0\*2  
 IF NEED;EYES/SKIN:FLUSH W LG AMTS H\*20  
 FOR 15 MIN;INGEST:RINSE MOUTH; GET MEDIC  
 AL ATTENTION FOR EYES, BREATHING DIFFICU  
 LTY, OR OTHER SYMPTOMS OF OVEREXPOSURE.

CONTINUED ON TOP RIGHT HAND SIDE OF THIS FRAME/PAGE  
 N/K = NOT KNOWN N/R = NOT RELEVANT N/A = NOT APPLICABLE

## \* \* \* PRECAUTIONS FOR SAFE HANDLING AND USE \* \* \*

STEPS TO BE TAKEN IF  
 MATL IS RELEASED/SPILL.. USE PROPER PERSONAL PROTECTION;EVACUATE  
 AREA;VENTILATE TO OUTSIDE ATMOSPHERE COO  
 L OR REMOVE HOT METAL SURFACES OR SOURCE  
 S OF NON-EXTINGUISHED FLAMES.  
 WASTE DISPOSAL METHOD.. DISPOSE OF COLLECTED MATERIAL IN ACCORDA  
 NCE WITH LOCAL STATE AND FEDERAL REGULAT  
 IONS.  
 HANDLING/STORAGE PREC.. STORE AS A LIQUIFIED COMPRESSED GAS IN D  
 OT APPROVED PRESSURE VESSELS AWAY FROM H  
 IG TEMPERATURES.

## \* \* \* CONTROL MEASURES \* \* \*

RESPIRATORY PROTECTION. USE NIOSH/MSHA APPROVED SCBA OR .AIR LINE  
 D RESPIRATOR  
 VENTILATION..... LOCAL EXHAUST TO MAINTN BELOW TLV.  
 PROTECTIVE GLOVES..... IMPERVIOUS  
 EYE PROTECTION..... GOGGLES/FACE SHIELD  
 OTHER PROTECTIVE EQUIP. FULL PROTECTIVE CLOTHING,SAFETY SHOWER,E  
 YE WASH STATION  
 SUPPLEMENTAL SAFETY &  
 HEALTH DATA..... MSDS DATED JUNE 1,1986:EFFECTS OF OVEREX  
 POSURE:CARDIAC PROBLEM OR DEATH AT HEAVI  
 ER CONCENTRATIONS.

## \* \* \* TRANSPORTATION DATA \* \* \*

DATE TECH REVIEW-TRANS. 04JUN87  
 DOT PSN CODE..... ZZZ  
 DOT SHIPPING NAME..... NOT REGULATED FOR THIS MODE OF TRANSPORT  
 ATION  
 DOT HAZARD CLASS..... N/R  
 DOT LABEL..... N/R  
 DOT ID NUMBER..... N/R  
 IMO PSN CODE..... ZZZ  
 IMO SHIPPING NAME..... NOT REGULATED FOR THIS MODE OF TRANSPORT  
 ATION  
 IMDG PAGE NUMBER..... N/R  
 UN NUMBER..... N/R  
 UN CLASS..... N/R  
 SUBSIDIARY RISK LABEL.. N/R  
 IATA PSN CODE..... ZZZ  
 IATA SHIPPING NAME..... NOT REGULATED BY THIS MODE OF TRANSPORTA  
 TION  
 IATA CLASS OR DIVISION. N/R  
 IATA SUBSID RISK CLASS. N/R

CONTINUED ON NEXT FRAME/PAGE BELOW  
 N/K = NOT KNOWN N/R = NOT RELEVANT N/A = NOT APPLICABLE



GCL019

L13

HAZARDOUS MATERIALS INFORMATION SYSTEM BASIC PUBLICATION

STOCK NUMBER	MFR CAGE	PM IND	FP IND	STATUS	NO ENTRIES	STOCK NUMBER	MFR CAGE	PM IND	FP IND	STATUS	NO ENTRIES
4210-01-139-4972	03670	B	D		002 OF 002	6110-01-139-6575	27315	A	D		001 OF 001

IATA LABEL..... N/R  
 UN OR ID NUMBER..... N/R

AFR 71-4 PSN CODE..... 222  
 AFR 71-4 SHIPPING NAME.. NOT REGULATED FOR THIS MODE OF TRANSPORT  
 . ATION

AFR 71-4 CLASS..... N/R  
 AFR 71-4 LABEL..... N/R  
 ID NUMBER..... N/R

\* EXTINGUISHING MEDIA.... EXTINGUISH W. AGENT SUITABLE FOR SURROUM  
 \* . DING FIRE.  
 \* SPEC FIRE FIGHT PROC... WEAR SELF-CMTND BRTHG APP  
 \* UMUS FIRE & EXPLOS HAZ. NOT APPLICABLE

\* \* \* REACTIVITY DATA \* \* \*

\* STABILITY..... YES  
 \* COND TO AVOID (STABIL).. NOT APPLICABLE  
 \* MATERIALS TO AVOID..... NONE KNOWN  
 \* HAZ DECOMPOSITION PROD. NONE KNOWN  
 \* HAZ POLYMERIZATN OCCUR. NO  
 \* COND TO AVOID (POLYMR). N/A

STOCK NUMBER	MFR CAGE	PM IND	FP IND	STATUS	NO ENTRIES
6110-01-139-6575	27315	A	D		001 OF 001

PART NO/TRADE NAME..... 1015M1-1  
 DATE TECH REVIEW-SAFE.. 07NOV84  
 SUPPLY ITEM MANAGER.... CX

\* \* \* HEALTH HAZARD DATA \* \* \*

\* SIGNS AND SYMPTOMS OF  
 \* EXPOSURE..... ASBESTOS DUST IS KNOWN HUMAN CARCINOGEN.  
 \* . ALSO COUGH,SHORT OF BREATH,WEAKNESS,CYAN  
 \* . OSIS,ETC.

\* EMERGENCY AND FIRST AID  
 \* PROCEDURES..... SKIN:CONSULT DOCTOR FOR DERMATITIS.EYES:  
 \* . FLUSH WITH WATER FOLLOWED BY TREATMENTS  
 \* . OF OPHTHALMOLOGIST.INHALATION:CONSULT PH  
 \* . YSICIAN AT ONCE.

\* \* \* GENERAL INFORMATION \* \* \*

PROPRIETARY DATA..... NO  
 ITEM NAME..... LINING, FRICTION  
 MANUFACTURER..... HARNISCHFEGER CORP  
 HAZ CHARACTERISTIC CODE. L4  
 UNIT OF ISSUE..... EA

\* \* \* PRECAUTIONS FOR SAFE HANDLING AND USE \* \* \*

\* \* \* INGREDIENTS/IDENTITY INFORMATION \* \* \*

NIOSH RTECS NO..... 1 CI6475000  
 INGREDIENT NO..... 1 ASBESTOS (IN BOUND UP FORM)(CAS # 1332-2  
 . 1-4)(TLV IS FOR DUST FORM)  
 ACGIH TLV NO..... 1 0.5 FIB>5 UM/CC

\* STEPS TO BE TAKEN IF  
 \* MATL IS RELEASEE/SPILL.. PICK UP MATERIAL & RETURN TO CONTAINER.I  
 \* . F ANY BROKEN MATERIAL EXISTS,BE CAREFUL  
 \* . TO AVOID DUSTING CONDITIONS.PLACE BROKEN  
 \* . MATERIAL INTO A SEALED CONTAINER.VACUUM  
 \* . OR WET CLEAN ONLY. DO NOT DRY SWEEP.

\* WASTE DISPOSAL METHOD... PLACE IN SEALED PLASTIC BAG OR CONTAINER  
 \* . ULTIMATE DISPOSAL MUST COMPLY WITH ALL  
 \* . LOCAL,STATE & FEDERAL REGULATIONS.

\* HANDLING/STORAGE PREC.. AVOID CUTTING OR GRINDING ON ITEM.AVOID  
 \* . ANY DUSTING CONDITIONS.MAINTAIN GOOD HOU  
 \* . SEKEEPING.

\* OTHER PRECAUTIONS..... N/A

\* \* \* PHYSICAL/CHEMICAL CHARACTERISTICS \* \* \*

APPEARANCE AND ODOR.... ASBESTOS FIBERS IN BOUND FORM IN FRICTIO  
 . N LINING.

BOILING POINT..... N/A  
 VAP PRESS/MM HG/700 F/. N/A  
 VAP DENSITY (AID =1)... N/A  
 SPECIFIC GRAVITY..... N/A  
 EVAP RATE & REFERENCE.. N/A  
 SOLUBILITY IN WATER.... N/A  
 PCT VOLATILES BY VOL... N/A

\* \* \* CONTROL MEASURES \* \* \*

\* \* \* FIRE AND EXPLOSION HAZARD DATA \* \* \*

FLASH POINT..... N/A  
 LOWER EXPLOSIVE LIMIT.. N/A  
 UPPER EXPLOSIVE LIMIT.. N/A

\* RESPIRATORY PROTECTION. NIOSH APPROVED DUST MASK AS A MINIMUM.SE  
 \* . LF COMT APP FOR DUSTING COND

\* VENTILATION..... PROVIDE GOOD LOCAL VENTILATION TO KEEP B  
 \* . ELOW PEL

\* PROTECTIVE GLOVES..... WORKING GLOVES  
 \* EYE PROTECTION..... SAFETY GLASSES  
 \* OTHER PROTECTIVE EQUIP. FULL WORK CLOTHING TO PREVENT REPEATED O  
 \* . R PROLONGED CONTACT.

CONTINUED ON TOP RIGHT HAND SIDE OF THIS FRAME/PAGE  
 N/K = NOT KNOWN N/R = NOT RELEVANT N/A = NOT APPLICABLE

\* CONTINUED ON NEXT FRAME/PAGE BELOW  
 \* N/K = NOT KNOWN N/R = NOT RELEVANT N/A = NOT APPLICABLE

