View NSN Online: https://aerobasegroup.com/nsn/6550-01-382-1107

Product ID:CAL-EXII; CS511; ACC41002. MSDS Date:10/19/1992 FSC:6550 NIIN:01-382-1107 **MSDS Number: BWCLH** === Responsible Party === Company Name: FISHER SCIENTIFIC, CHEMICAL DIV. Address:1 REAGENT LANE City:FAIR LAWN State:NJ ZIP:07410 Country:US Info Phone Num:201-796-7100 OR 201-79 6-7523 Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC) CAGE:1B464 === Contractor Identification === Company Name: FISHER SCIENTIFIC CO. CHEMICAL MFG DIV Address:1 REAGENT LANE Box:City:FAIRLAWN State:NJ ZIP:07410-2802 Country:US Phone:201-796-7100 CAGE:1B464

Ingred Name:FORMIC ACID (SARA III) CAS:64-18-6 RTECS #:LQ4900000 Fraction by Wt: 12.0% Other REC Limits:NONE RECOMMENDED OSHA PEL:5 PPM ACGIH TLV:5 PPM/10 STEL; 9394 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:FORMALDEHYDE (SARA III) CAS:50-00-0 RTECS #:LP8925000 Fraction by Wt: 3.0% Other REC Limits:NONE RECOMMENDED OSHA PEL:SEE 1910.1048 ACGIH TLV:C 0.3 PPM; A2; 9394 EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III) CAS:67-56-1 RTECS #:PC1400000 Fraction by Wt: 1.0% Other REC Limits:NONE RECOMMENDED OSHA PEL:S,200PPM ACGIH TLV:S,200PPM/250STEL; 94 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Na me:WATER CAS:7732-18-5 RTECS #:ZC0110000 Fraction by Wt: 84.0% Other REC Limits:NONE RECOMMENDED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES Health Hazards Acute and Chronic:FORMIC ACID:30PPM IMMED DANGEROUS TO

LIFE/HEALTH.CORR-INHAL/SKIN/EYE/INGEST.TOXIC BY INHAL.MODERATELY TOXIC BY

INGEST.FORMALDEHYDE:SENSITIZER,CORR-INHAL/SKIN/EYE/INGEST.HIG HLY

TOXIC BY INHAL.TOXIC BY DERMAL ABSORPTION & INGEST.METHANOL:SLIGHTLY TOXIC BY DERMAL ABSORPTION & INGEST.RELATIVELY NON-TOXIC BY INHAL.

Explanation of Carcinogenicity:CONTAINS FORMALDEHYDE:ANTICIPATED HYMAN CARCINOGEN PER NTP;IARC GROUP-2A.

Effects of Overexposure:NARCOTIC,THROAT IRRIT/DISCOM,LI-HEAD,NAUS,COUGH,RHINITIS,PULM EDEMA,SHOCK.BREATH DIFF,BURNING SENS IN NOSE/THROAT,SKIN REDNESS/PAIN.TISSUE DAMAGE,RESP TRACT INJ(PNEUITIS)SNEEZING,WHEEZ,TRACHEITIS,CHES T

CONSTRICTIN, BRON, HEAD, WEAK, THRIST. OPPRESSION IN CHEST, TINNITUS, UNSTEADY GAIT, TWITCHING, COLIC, CNS EFFECTS, EYE LAC, CONJ

Medical Cond Aggravated by Exposure:PERSONS W/PRE-EXITING SKIN OR EYE DISORDERS, OR IMPAIRED PULM, RENAL, LIVER FUNCTION. PERSONS W/ASTHMA, CHRONIC SKIN DISEASE OR PRE-EXISITING LUNG DISEASE. PERSONS W/KIDNEY, EYE, SKIN DISORDERS.

First Aid:INHAL:REMOVE TO FRESH AIR.STOP BREATH GIVE AR T RESP/OXY.TREAT

SYMPTOMATICALLY/SUPPORTIVELY. SKIN:REMOVE CONTAMIN CLOTH/SLOES IMMED.WASH W/SOAP OR MILD DETERGENT & LG AMTS OF WATER @LEAST 15-20MINS.CHE M BURNS:COVER W/STERILE DRY DRESS.BANDAGE SECURELY. EYE:WASH IMMED W/LG AMTS OF WATER LIFTING EYELIDS @LEAST 1-20MINS.CONT W/NORMAL SALINE TIL PH=NORMAL(30-60MINS).COVER W/STERILE BANDAGES. (SUPPLEME)

Extinguishing Media:DERY CHEMICAL, CARBON DIOXID E, WATER SPRAY OR REGULAR FOAM.LG FIRES:USE WATER SPRAY,FOG OR REGULAR FOAM. Fire Fighting Procedures:MOVE CNTNR FROM FIRE W/O RIKS.COOL SIDES OF CNTNRS EXPO TO FIRE W/WATER TIL FIRE WELL OUT.STAY AWAY FROM ENDS OF TNKS.DO NOT USE WATER DIRECTLY ON MATL IF LG FI Unusual Fire/Explosion Hazard:AVOID BREATHING CORROSIVE VAPOPRS.KEEP UPWIND.NEGLIGIBLE FIRE HAZ WHEN EXPOSED TO HEAT OR FLAME.

Spill Release Procedures :DO NOT TOUCH SPILL.STOP LEAK W/O RISK.SM SPILLS:TAKE UP W/SAND/OTHER ABSORBENT MATL.PLACE INTO CNTNR.DRY SPILLS:SHOVEL INTO MATL & COVER.LG:DIKE.KEEP UNNECASSARY PEOPLE AWAY.ISOLATE/DENY ENTRY. Neutralizing Agent:NONE SPECIFIED BY MFG.

Handling and Storage Precautions:OBSEVER ALL FED/STATE/LOC REGS WHEN STORING SUBSTANCE.FOR ASSISTANCE CALL DISTRICT DIR OF EPA. Other Precautions:SARA SEC 302 REQUIRES EA FACILI TY WHERE EXT HAZ SUB IS PRESENT IN QUANT EQUAL TO OR GREATER THAN TPQ ESTABLISHED FOR SUB NOTIFY STATE EMERG RESP COMM.SARA SEC 303 REQUIRES THESE FACILITIES TO PARTICIP ATE IN LOC EMERG RESP PLAN(40CFR355.30).

Respiratory Protection: SPECIFIC RESP SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN WORKPLACE, SPECIFIC OPERATION, MUST NOT EXCEED WORKING LIMITS OF RESP & MUST BE JOINTLY APPROVED BY NIOS

H/MSHA.

Ventilation: PROVIDE LOCAL EXHAUST/PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPO LIMITS.

Protective Gloves: APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:SPLASH-PROOF/DUST-RESIST SAF GOGG,FACESH

Other Protective Equipment: APPROOPRITE PROT IMPERVIOUS

CLOTH/EQPMT.EYEWASH FOUNTAIN & QUICK DRENCH SHOWER IMMED WORK AREA FOR EMERGENCY USE.

Work Hygienic Practices: WASH HANDS AFTER HANDLING. LAUNDER CONTAMIN CLOTH PRIOR TO REUSE.

Supplemental Safety and Health

FIREFIGHTING:U

SE WATERSPRAY TO ABSORB CORR VAP. 1STADI:INGEST:DO NOT USE GASTRIC LAVAGE OR EMESIS.DILUTE (100 FOLD TO RENDER HARMLESS TO TISSUES)IMMED W/LG QUANT OF WATER OR MILK.IF VOMIT PERSISTS ADM INISTER FLUIDS REPEATEDLY.IN ALL CASES GET MED ATTN IMMED.

HCC:C2 pH:2.0 Solubility in Water:COMPLETE Appearance and Odor:SOLUTION

Stability Indicator/Materials to Avoid:YES BISULFIEDS,IODINE,IRON PREP,POTASSIUM PERMANGANATE,AG SALTS,AL,METALS,STRONG AICDS,STRONG OXIDIZERS. Stability Condition to Avoid:MAY BURN BUT DOESN'T IGN READILY.FLAMM,POISONOUS GASES MAY ACCUMULATE IN TNKS/HOPPER CARS.MAY IGN COMB(WOOD,PAPER,ETC). Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC OXIDES OF CARBON.

Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDA

NCE W/STANDARDS

APPLICABLE TO GENERATORS OF HAZ WASTE 40CFR262.EPA HAZ WASTE NO:D002. 100LBS=RQ.OBSERVE ALLLOCAL, STATE AND FEDERAL REGS WHEN DISPOSING SUBSTANCE.FOR ASSISTA NCE CALL DISTRICT DIR OF EPA.

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