View NSN Online: https://aerobasegroup.com/nsn/6810-00-072-2921

Product ID:SULFURIC ACID, A-298

MSDS Date:09/15/1988

FSC:6810

NIIN:00-072-2921

MSDS Number: BQQCW === Responsible Party ===

Company Name: E-C APPARATUS CORP

Address:3831 TYRONE BLVD N

City:ST PETERSBURG

State:FL ZIP:33709 Country:US

Info Phone Num:813-344-1644

Emergency Phone Num:813-344-1644

CAGE:236

05

=== Contractor Identification ===

Company Name: E-C APPARATUS CORP

Address:3831 TYRONE BLVD N Box:City:SAINT PETERSBURG

State:FL

ZIP:33709-4121 Country:US

Phone:813-344-1644

CAGE:23605

======= Composition/Information on Ingredients ========

Ingred Name: SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000 Fraction by Wt: 98% OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000 Fraction by Wt: 2%

Ingr

ed Name:CNDTNS TO AVOID (STAB): CONFINED SPACES. RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD. RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:SEVERE DMG, OFTEN LEADING TO BLINDESS.
DILUTE SOLNS PRODUCE MORE TRANSIENT EFTS FROM WHICH (ING 5)
RTECS #:9999992Z

Ingred Name:ING 4: RECOVERY MAY BE COMPLETE. EXPOSURE TO THE MIST CAUSES EYE IRRIT & LACRIMATION. CHRONIC: RPTD/PRLNGD EXPOS (ING 6) RTECS #:9999999ZZ

Ingred Name: ING 5: MAY CAUSE CONJUNCTIVITIS AND LACRIMATION. INGEST:

ACUTE: SEVERE BURNING PAIN IN MOUTH, THROAT & ABDOMEN (ING 7) RTECS #:9999992Z

Ingred Name:ING 6:FOLLOWED BY VOMITING & DIRRHEA OF DARK, PRECIPITATED BLOOD. ASPHYXIA MAY OCCUR FROM SWELLING OF THE THROAT.(ING 8) RTECS #:9999999ZZ

Ingred Name: ING 7: PERFORATION OF THE ESOPHAGUS AND STOMACH MAY OCCUR. RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:OCCASNLY LIFTING THE UPPER & LOWER LIDS, UNTIL NO EVIDENCE OF CHEM REMAINS. IN CASE OF BURNS, (ING 10) RTECS #:9999999ZZ

Ingred Name: ING

9:APPLY STERILE BANDAGES LOOSELY WITHOUT MEDICATION. GET MED ATTN. INGEST:IF VICTIM IS CONSCIOUS, GIVE LRG (ING 11) RTECS #:9999999ZZ

Ingred Name:ING 10: QUANTITIES OF WATER IMMEDIATELY TO DILUTE THE ACID. DO NOT INDUCE VOMITING. GET MEDICAL ATTN IMMEDIATELY.

RTECS #:9999992Z

Ingred Name:SPILL PROC:W/SLAKED LIME, SODIUM BICARBONATE/CRUSHED LIMESTONE. AIR SPILL:KNOCK DOWN VAPS W/WATER SPRAY. KEEP (ING 13) RTECS #:9999999ZZ

Ingred Name: ING 12: UPWIND. WATER SPILL: NEUT W/AGRICULTURA

L LIME, SLAKED
LIME, CRUSHED LIMESTONE OR SODIUM BICARBONATE. ADD (ING 14)
RTECS #:9999992Z

Ingred Name:ING 13: SUITABLE AGENT TO NEUTRALIZE SPILLED MATL TO PH-7. OCCUP SPILL: KEEP COMBUST (WOOD, PAPER, OIL, ETC.) (ING 15) RTECS #:9999992Z

Ingred Name:ING 14:AWAY FROM SPILLED MATL. DO NOT TOUCH SPILLED MATL. DO NOT GET H*20 INSIDE CNTNR. STOP LEAK IF YOU CAN DO (ING 16) RTECS #:9999992Z

Ingred Name:ING 15:IT WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPS. DO NOT PUT WATER ON

LEAK/SPILL AREA. CLEAN UP ONLY UNDER(ING 17)

RTECS #:9999999ZZ

Ingred Name:ING 16:THE SUPERVISION OF AN EXPERT. DIKE SPILL FOR LATER DISP. DO NOT APPLY WATER UNLESS DIRECTED TO DO SO. (ING 18) RTECS #:9999999ZZ

Ingred Name:ING 17: KEEP UNNEC PEOPLE AWAY. ISOLATE HAZARD AREA AND DENY ENTRY. VENTILATE CLOSED SPACES BEFORE ENTERING. RTECS #:9999999ZZ

========== Hazards Identification ================

LD50 LC50 Mixture:LD50: (ORAL,RAT) 2140 MG/KG

Routes of Entry: Inhala

tion:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL:CORROSIVE/TOXIC. ACUTE: EXPOSURE TO CONC CNTNG 5 MG/M3 MAY CAUSE NOSE & THROAT IRRIT, HDCH, COUGH, AN INCR IN RESP RATE/IMPAIRMENT OF VENT CAPACITY. DELAYED SYMPS MAY INCL PULM EDEMA, TIGHTNESS IN CHEST, CYANOSIS, HYPOTENSION, BRONCHITIS OR EMPHYSEMA. CHRONIC: RPTD EXPOS TO MIST CAUSES CHRONIC(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVAN

Effects of Overexposure:HLTH HAZ:TRACHEO-BRONCHITIS, EROSION & DISCOLORATION OF TEETH, BRONCHIAL PNMEUMONIA OR GI DISTRUBANCES. SKIN:CORROSIVE. ACUTE:CNTCT MAY CAUSE SEVERE IRRIT & PAIN, BURNS & VESICULATION. CHRONIC:RPTD/PR LNGD EXPOS TO LIQ/MIST MAY CAUSE IRRIT & DERM. EYE:CORROSIVE. ACUTE:DIRECT CNTCT W/CONC ACID SOLN MAY CAUSE (ING 4)

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid:INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O*2/ARTF RESP). SKIN: REMOVE CONTAM CLTHG & SHOES IMMED. WASH AFFECTED AREA W/SOAP OR MILD DETERGENT & LRG AMTS OF WATER UNTIL NO EVIDENCE OF CHEM REMAINS. IN CASE OF BURNS, COVER THE AREA WITH STERILE, DRY DRESSING. BANDANGE SECURELY, BUT NOT TOO TIGHTLY. GET MED ATTN. EYES:WASH IMMED W/LRG AMTS OF WATER FOR AT LEAST 15 MIN, (ING 9)

========== Fire Fighting Measures ===============

Flash P

oint:NON-FLAMMABLE

Extinguishing Media:DRY CHEM/CARBON DIOXIDE (1984 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.3) LRG FIRES: FLOOD AREA W/WATR FROM A DISTANCE.

Fire Fighting Procedures:MOVE CNTNRS FROM FIRE AREA IF POSS.COOL EXPOSED CNTNRS W/H*20 FROM SIDE UNTIL AFTER FIRE IS OUT.WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP. (SUPP DATA) Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

======== Accidental Release Measures ============

Spill Release

Procedures:SOIL SPILL:DIG HOLDING AREA SUCH AS LAGOON,
POND OR PIT FOR CONTAMINANT. DIKE FLOW OF SPILLED MATERIAL USING
SOIL OR SANDBAGS OR FOAMED BARRIERS SUCH AS POLYURETHANE OR
CONCRETE. USE CEMENT POWDER OR FLY ASH TO ABSORB LIQUID MASS. NEUT
SPILL(ING 12)

Neutralizing Agent: SEE SPILL PROCEDURES.

============ Handling and Storage ===============

Handling and Storage Precautions: NONE SPECIFIED BY MANUFACTURER. Other Precautions: NONE SPECIFIED BY MANUFACTURER. RER.

===== Exposure Controls/Personal Protection ========

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN . 50 MG/M3: GMOVC, SAF, SCBA, HEPA. 100 MG/M3: SAF. ESCAPE: GMOVC, SCBA. FIRE FIGHTING: SCBA.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION SYSTEM TO MEET PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: CHEM WORK GOGG/FULL LENGTH FSHLD .

Other Protective Equipment: EMPLOYER SHALL PROVIDE A

N EYE-WASH FOUNTAIN

WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC:EXTING USING AGENTS INDICATED; DO NOT USE WATER DIRECTLY ON MATL. IF LRG AMTS OF COMBUST MATLS ARE INVOLVED, USE WATER SPRAY OR FOG IN FLOODING AMTS. USE WATER SPRAY TO ABSORB CORROSIV E VAPORS. COOL CNTNRS W/FLOODING AMTS OF WATER FROM AS FAR A DISTANCE AS POSS. AVOID BRTHG CORR VAPS: KEEP UPWIND.

======= Physical/Chemical Properties =========

Boiling Pt:B.P. Text:536F,280C

Melt/Freeze Pt:M.P/F.P Text:37.0F,2.8C

Vapor Pres:0.001@ 20C

Vapor Density:3.4

Spec Gravity:1.8 Solubility in Water:SOLUBLE

Appearance and Odor: COLORLESS TO DARK BROWN, OILY LIQUID.

======== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES

ALCOHOLS & HYDROGEN PEROXIDE, AMMONIUM HYDROXIDE, CHLORATE, METALS (POWDERED), PERCHLORATES, STEEL.

Stabil

ity Condition to Avoid:MAY IGNITE OTHER COMBUST MATLS (WOOD,PAPER,OIL,ETC). VIOLENT RXN W/H*2O & ORG MATL. FLAMM,POISON GAS MAY ACCUM IN(ING 3)

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS INCLUDE HIGHLY TOXIC FUMES OF SULFUR OXIDES.

======= Disposal Considerations ============

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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