

E-C APPARATUS CORP -- O-PHOSPHORIC ACID -- 6810-01-150-0339

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Product Identification
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Product ID:O-PHOSPHORIC ACID

MSDS Date:09/15/1988

FSC:6810

NIIN:01-150-0339

MSDS Number: BPZKX

=== Responsible Party ===

Company Name:E-C APPARATUS CORP

Address:3831 TYRONE BLVD N

City:ST PETERSBURG

State:FL

ZIP:33709-4121

Country:US

Info Phone Num:813-344-1644

Emergency Phone Num:813-344-1644

Preparer'

s Name:WILLIAM W. GORMAN, JR.

CAGE:23605

=== 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

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Composition/Information on Ingredients
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Ingred Name:PHOSPHORIC ACID (SARA III)

CAS:7664-38-2

RTECS #:TB6300000

Fraction by Wt: 85%

Other REC Limits:1 MG/CUM

OSHA PEL:1 MG/M3/3 STEL

ACGIH TLV:1 MG/M3/3 STEL; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qt

y:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 15%

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

LD50 LC50 Mixture:ORAL RAT LD50: 2740 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: SHORTNESS OF BREATH,
PULMONARY EDEMA W/FROTHY SPUTUM, SORE THROAT, COUGHING, CHOKING,
HEADACHE, DIZZINESS, WEAKNESS, CYANOSIS, HYPOTENSION,
RAPID PULSE,
FATAL/CORROSIVE. SKIN: CORROSIVE, DERMATITIS, & BURNS. EYES:
REDNESS, AIN,BLURRED VISION, CONJUNCTIVAL DESTRUCTION, CORNEAL
DESTRUCTION, TEARING.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: EROSION OF THE TEETH FOLLOWED BY
JAW NECROSIS, BRONCHIAL IRRITATION W/COUGH, BRONCHIAL PNEUMONIA.
SKIN: CORROSIVE/DERMATITIS. EYES: CONJUNCTIVITIS/CORNEAL
DESTRUCTION. INGESTION: SORE THRO AT/ABDOMINAL PAIN/BURNING IN
MOUTH/PHARYNX/VOMITING
/DIARRHEA OF DARK PRECIPITATED
BLOOD/ASPHYXIA/EDEMA OF THE GLOTTIS.
Medical Cond Aggravated by Exposure:CHRONIC RESPIRATORY/SKIN DISEASES

===== First Aid Measures =====

First Aid:INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR. IF BREATHING
HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. SKIN: WASH AFFECTED AREA
W/SOAP OR MILD DETERGENT/LARGE AMOUNTS OF WATER 15-20 MINS. EYES:
WASH W/ LARGE AMOUNTS OF WATER FOR 15-20 MINS. INGESTION: IF VICTIM
IS CONSCIOUS, GIVE 2 TO 4 GLASSES OF WATER/INDUCE VOMITING. OBTAIN
MEDICAL ATTENTION IN ALL CASES.

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:DRY CHEMICAL, CO2, WATER SPRAY OR FOAM. (1984 DOT
EMERGENCY RESPONSE GUIDEBOOK, P 5800.3)
Fire Fighting Procedures:MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE.
COOL CONTAINERS WITH WATER FROM SIDES UNTIL WELL AFTER FIRE IE OUT.
Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE

/REACTS WITH MANY METALS

FORMING FLAMMABLE GASES OF HYDROGEN. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES. WATER RUNOFF MAY BE POLLUTING.

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

Spill Release Procedures:STOP LEAK IF YOU CAN DO IT W/O RISK. TAKE UP W/SAND OR OTHER ABSORBENT MATERIAL/PLACE INTO CONTAINERS FOR LATER DISPOSAL. LARGER SPILLS DIKE AHEAD OF SPILL FOR LATER DISPOSAL. ISOLATE AREA AND DENY EN TRY.

Neutralizing Agent:SLAKED LIME, CRUSHE D LIMESTONE OR SODIUM BICARBONATE.

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

Handling and Storage Precautions:NO INFORMATION GIVEN ON MSDS BY MFR. HMIS: STORE IN COOL DRY AREA FOR CORROSIVES AND AWAY FROM ALKALINE MATERIALS.

Other Precautions:NONE

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

Respiratory Protection:SCBA FOR ALL EXPOSURES. TYPE C SUPPLIED AIR RESPIRATOR BELOW 2000 MG/M3. HIGH EFFICIENCY PARTICULATE RESPIRAT

OR W/FULL FACEPIECE BELOW 50 MG/M3.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO MEET PEL REQUIREMENTS.

Protective Gloves:PROTECTIVE

Eye Protection:DUST-PROOF SAFETY GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING/EQUIPMENT TO PROTECT FROM ANY CONTACT WITH THIS SUBSTANCE.

Work Hygienic Practices:MFR: ? HMIS:USE STRICT CHEMICAL HYGIENE PRACTICE. AVOID ALL CONTACT POSSIBLE. WASH THOROUGHLY BEFORE EATING OR DRINKING

Supplemental Safety and Health

NONE

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

HCC:C1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:266F,130C

Melt/Freeze Pt:M.P/F.P Text:52.0F,11.1C

Spec Gravity:1.8

pH:ACIDIC

Solubility in Water:MISCIBLE

Appearance and Odor:ODORLESS, COLORLESS SPARKLING LIQUID,

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

Stability Indicator/Materials to Avoid:YES

REACTS VIOLENTLY WITH BASES. ATTACKS METALS LIBERATING HYDROGEN GAS, CHLORIDE, NITROMETHANE, SODIUM TETRAHYDROBORATE

Stab

ility Condition to Avoid:NO INFORMATION GIVEN ON MSDS BY MFR.
Hazardous Decomposition Products:TOXIC PHOSPHOROUS OXIDES GASES,
EXPLOSIVE HYDROGEN GASES, POISONOUS GASES.

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

Waste Disposal Methods:MFR:NEUTRALIZE. HMIS:DISPOSE I/A/W FEDERAL,
STATE & LOCAL REGULATIONS.

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