

E-C APPARATUS CORPORATION -- CAUSTIC SODA,CAUSTIC,SODIUM HYDRATE --  
6810-00-174-6581

===== Product Identification =====

Product ID:CAUSTIC SODA,CAUSTIC,SODIUM HYDRATE

MSDS Date:01/01/1987

FSC:6810

NIIN:00-174-6581

MSDS Number: BDFPY

=== Responsible Party ===

Company Name:E-C APPARATUS CORPORATION

Address:3831 TYRONE BOULEVARD NORTH

City:ST. PETERSBURG

State:FL

ZIP:70933

Country:33

Info Phone Num:813-344-1644

Emergency Phone Num:813-344-1644

CAGE:23605

=== Cont

ractor 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:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

= Wt:40.

Other REC Limits:2MG/CUM

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

< Wt:60

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

Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:CORROSIVE TO ALL BODY  
TISSUES;SEVERE BURNS TO EYES,SKIN,IRRITATING TO RESPIRATORY AND  
G.I.TRACTS.CHRONIC:DAMAGE TO TISSUES,RESPIRATORY OR G.I.TRACTS  
Effects of Overexposure:EXTREMELY CORROSIVE TO ALL BODY TISSUES.CONTACT  
WILL CAUSE BURNS AND FREQUENTLY DEEP ULCE  
RATION;EYE CONTACT WILL  
PRODUCE SEVERE AND PAINFUL INJURY.INHALATION OF MIST WILL CAUSE  
IRRITATION AND MAY EVEN CAUSE DAMAGE TO ENTIRE RESPIRATORY TRACT.  
Medical Cond Aggravated by Exposure:DAMAGE TO ALL BODY TISSUES.

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

First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O\*2 IF  
NEED;EYES/SKIN:FLUSH W LG AMTS H\*2O FOR 15 MIN;INGEST:RINSE MOUTH;  
GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER  
SYMPTO  
MS OF OVEREXPOSURE.

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

Flash Point:NONE  
Extinguishing Media:USE SUITABLE MEDIA FOR SURROUNDING FIRES  
Fire Fighting Procedures:FLOOD WITH WATER USING CARE NOT TO SPLATTER OR  
SPLASH THIS MATERIAL.USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED  
AREA.  
Unusual Fire/Explosion Hazard:CONTACT WITH CERTAIN CHEMICALS AND METALS  
GENERATE,FLAMMABLE HYDROGEN GAS.

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

S  
pill Release Procedures:USE PROPER PERSONAL PROTECTION;DILUTE WITH  
EXCESS WATER,RECOVER AND NEUTRALIZE WITH ACETIC ACID,COLLECT FOR  
PROPER DISPOSAL.  
Neutralizing Agent:ACIDS,(DILUTE HCL OR ACETIC ACID)

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

Handling and Storage Precautions:KEEP IN COOL AND DRY AREA.KEEP AWAY  
FROM WATER,ACIDS,METALS,EXPLOSIVES AND COMBUSTIBLE MATERIALS.KEEP  
CONTAINER TIGHTLY CLOSED.  
Other Precautions:ITEM IS STRONG CORROSIVE MATERIAL

;USE WITH CARE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATORY FOR ALKALI MIST/VAPORS OR SCBA,IF ABOVE TLV.  
Ventilation:MECHANICAL OR GENERAL VENTILATION TO CAPTURE EXCESSIVE MIST/VAPORS.  
Protective Gloves:IMPERVIOUS  
Eye Protection:GOGGLES/FACE SHIELD  
Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION  
Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS AND MIST;WASH THOROUGHLY AFTER EACH USE.USE PROPER PROTECTION.

Supplemental Safety and Health  
MSDS DATED:NIL

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

HCC:B1  
Boiling Pt:=143.3C, 290.F  
Vapor Pres:19  
Spec Gravity:1.44  
Solubility in Water:COMPLETE  
Appearance and Odor:COLORLESS TO GRAY SYRUPY LIQUID. MILD SLIGHTLY PUNGENT ODOR.  
Percent Volatiles by Volume:0.0

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

Stability Indicator/Materials to Avoid:YES  
WATER,CHLORINATED HYDROCARBONS,CERTAIN METALS  
Stability Condition to Avoid:HEAT,OPEN FLAMES, WATER.  
Hazardous Decomposition Products:HYDROGEN GAS WHICH MAY BE COMBUSTIBLE

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

Waste Disposal Methods:DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

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