

CLAYTON CHEMICAL CO. -- CF FIXER WITH HARDENER, PART B -- 6750-00-727-1063

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

Product ID:CF FIXER WITH HARDENER, PART B

MSDS Date:01/06/1988

FSC:6750

NIIN:00-727-1063

MSDS Number: BFMPZ

=== Responsible Party ===

Company Name:CLAYTON CHEMICAL CO.

Address:13310 S. FIGEROA STREET

City:LOS ANGELES

State:CA

ZIP:90061

Country:US

Info Phone Num:213-538-9530

Emergency Phone Num:213-538-9530

CAGE:6W820

=== Contractor Identification ===

C

Company Name:CLAYTON CHEMICAL CO., A DIV OF VARICHEM CORP

Address:RR 1

Box:276-Z

City:HEATHSVILLE

State:VA

ZIP:22473

Country:US

Phone:703-759-9399

CAGE:6W820

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

Ingred Name:ALUMINUM SULFATE (SARA III)

CAS:10043-01-3

RTECS #:BD1700000

Fraction by Wt: 57.0%

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CITRIC ACID CAS#77-92-9

RTECS #:GE7350000

Fraction by Wt: 0.5%

Ingred Name:AC

ETIC ACID (SARA III)
CAS:64-19-7
RTECS #:AF1225000
Fraction by Wt: 2.2%
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER CAS# 7732-18-5
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 40.3%

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS CORROSIVE TO EYE, SKIN &

RESPIRATORY OR G/I TRACT IRRITATION. IT IS CONSIDERED A LOW HAZARD FOR NORMAL INDUSTRIAL HANDLING. MOST HAZARDOUS IS INHALATION OF A MIST, WHICH IS UNLIKELY TO BE FORMED IN NORMAL USE.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS NO INGREDIENT LISTED AS CARCINOGEN BY IARC,NTP, OR OSHA.

Effects of Overexposure:EYE:SEVERE IRRITATION, BURNS SKIN:CAUSES IRRITATION. INHALED:MAY CAUSE IRRITATION, BURNS IF DUST OR MIST IS INHALED. INGESTED:MAY BE HARMFUL IF SWALLOWED.

HMIS:MAY CAUSE G/I IRRITATION,NAUSEA,VOMITI NG.

Medical Cond Aggravated by Exposure:ACUTE AND CHRONIC RESPIRATORY DISEASES

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:D O NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IM

MEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:RECOVER AS LIQUID OR ADSORB WITH CLOTH,PAPER,OTHER INERT MATERIAL.

Neutralizing Agent:SODA ASH OR LIME OR BICARBONATE OF SODA

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL VENTILATED AREA. KEEP TIGHTLY CLOSED WHEN NOT IN USE. KEEP AWAY FROM ACIDS AND ALKALIS.

Other Precautions:READ LABEL THEN FOLLOW INSTRUCTIONS.

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR INORGANIC DUST/MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:NORMAL ROOM VENTILATION SUPPLEMENTED WITH LOCAL EXHAUST ESPECIALLY WHEN MIXING.

Protective Gloves:RUBBER,VINYL,OTHER IMPERVIOUS

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. USE APRON AND FACE SHIELD WHEN MIXING LIQUIDS OR IF SPLASHING IS LIKELY.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT.

Supplemental Safety and Health

CODE 36176H. CATALOG NUMBERS (DIFFERENT SIZES) 176-061, 176-231,

76-271,OR 177-510.

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

HCC:C3

Boiling Pt.=100.C, 212.F

Spec Gravity:1.213

pH:2.98

Evaporation Rate & Reference: