

CLAYTON CHEMICAL CO. -- CAT.NO.148-110;CP2 FIXER -- 6750-01-050-3542
===== Product Identification =====

Product ID:CAT.NO.148-110;CP2 FIXER
MSDS Date:12/22/1989
FSC:6750
NIIN:01-050-3542
Kit Part:Y
MSDS Number: BJMHM
=== Responsible Party ===
Company Name:CLAYTON CHEMICAL CO.
Address:13310 S.FIQUEROA STREET
City:LOS ANGELES
State:CA
ZIP:90061
Country:US

Info Phone Num:213-538-9530
Emergency Phone
Num:213-538-9530

Preparer's Name:JHON B.TAYLOR
CAGE:6W820

=== Contractor Identification ===

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:AMMONIUM THIOSULFATE
CAS:7783-18-8
RTECS #:XN6465000
Fraction by Wt: 10-20%
Other REC Limits:NONE SPECIFIED

Ingred Name:ACETIC ACID (SARA III)
CAS:64-19-7
RTECS #:AF

1225000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 PPM

ACGIH TLV:10 PPM/15 STEL; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM SULFITE

CAS:7757-83-7

RTECS #:WE2150000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 70-85%

Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Rep

Routes of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:IRRITATION OF

EYES,SKIN,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE

HEADACHE,DIZZINESS,NAUSEA AND VOMITING. REDNESS OR BURNS OF

EYES/SKIN POSSIBLE.CHRONIC:DRYING OF SKIN,DEFATTING OR DERMATITIS.

Explanation of Carcinogenicity:DATA PER MSDS

Effects of Overexposure:MAY CAUSE IRRITATION OF EYES,SKIN,RESPIRATORY

OR G.I.TRACTS;MAY CAUSE HEADACHE,DIZZINESS,NAUSEA,VOMITING OR GI

TRACT DISTURBANCE

S POSSIBLE.BURNS OR REDNESS OF EYES/CRACKING OR

DRYNESS OF SKIN.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS

OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR

RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.

GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER

FOR 15 MINUTES H

OLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

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:USE PROPER PERSONAL PROTECTION;CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE NEEDED WITH ADEQUATE VENTILATION; OR USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices

:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:N1

Boiling Pt:B.P. Text:>212F,>100C

Spec Gravity:1.1

pH:8.2

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR,COLORLESS;SLIGHT AMMONIA ODOR.

=====

Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products:SULFUR DIOXIDE AND OTHER UNIDENTIFIED COMPONENTS.

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES.DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.