

CLAYTON CHEMICAL COMPANY -- 416-78 MICRO RAPID FIXER CONCENTRATE (5045) --
6750-01-145-7831

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

Product ID:416-78 MICRO RAPID FIXER CONCENTRATE (5045)

MSDS Date:04/24/1992

FSC:6750

NIIN:01-145-7831

MSDS Number: BQNGZ

=== Responsible Party ===

Company Name:CLAYTON CHEMICAL COMPANY

Address:13310 S. FIGUEROA ST.

City:LOS ANGELES

State:CA

ZIP:90061

Country:US

Info Phone

Num:213-538-9530

Emergency Phone Num:213-538-9530

CAGE:61803

=== Contractor Identification ===

Company Name:CLAYTON CHEMICAL CO.

Address:13310 S. FIGUEROA STREET

Box:City:LOS ANGELES

State:CA

ZIP:90061

Country:US

Phone:310-538-9530/800-424-9300(CHEMTREC)

CAGE:61803

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 =====

Ingr

ed Name:AMMONIUM THIOSULFATE
CAS:7783-18-8
RTECS #:XN6465000
Fraction by Wt: 10-15%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM BISULFITE (SASA III)
CAS:7631-90-5
RTECS #:VZ2000000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ACETIC ACID (SARA III)
CAS:64-19-7
RTECS #:AF1225000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9192
EPA
Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MAY CAUSE IRRITATION OF GI TRACT IF
SWALLOWED. INHALATION OF MIST MAY IRRITATE RESPIRATORY TRACT.
CONTACT MAY IRRITATE THE EYES. CHRONIC: NONE KNOWN.
Explanation of Carcinogenicity:A COMPUTERIZED LITERATURE SEARCH OF
NATIONAL DATABASES
DID NOT YIELD ANY CHRONIC EFFECTS ASSOCIATED
WITH THESE CHEMICALS
Effects of Overexposure:INHALATION: COUGHING, WHEEZING, SHORTNES OF
BREATH. EYES: REDNESS, ITCHING, BLURRED VISION, DISCOMFORT.
INGESTION: NAUSEA, VOMITING.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALED: REMOVE TO FRESH AIR. EYES: FLUSH WITH PLENTY OF
WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION. SKIN:F

LUSH WITH

PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING.
INGESTED:DRINK MILK OR WATER. INDUCE VOMITING. OBTAIN IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point:NON-FLAMMABLE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:EVACUATE PERSONNEL TO SAFE AREA. KEEP
PERSONNEL REMOVED AND UP WIND. WEAR SELF-CONTAINED BREATHING
APPARA

TUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:WHEN HEATED TO DECOMPOSITION, EMISSION OF
TOXIC FUMES OF SULFUR DIOXIDE IS POSSIBLE.

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

Spill Release Procedures:USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.
DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW
AREAS. NEUTRALIZE WITH POWDERED SODIUM CARBONATE. SOAK UP WITH
SAND, OIL DRY OR OTHER ABSORBENT MATERIAL.

Neutralizing Agent:POWDE
RED SODIUM CARBONATE

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

Handling and Storage Precautions:STORE IN A WELL-VENTILATED AREA. KEEP
CONTAINER TIGHTLY CLOSED. DO NOT STORE NEAR INCOMPATIBLES.

Other Precautions:DO NOT STORE OR CONSUME FOOD, DRINK, OR TOBACCO IN
AREA WHERE THEY MAY BE CONATMINATED WITH THIS MATERIAL.

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

Respiratory Protection:NONE NORMALLY REQUIRED. MFR SAID, "SUFFICIENT
ROO

M VENTILATION."

Ventilation:SUFFICIENT ROOM VENTILATION.

Protective Gloves:GLOVES RECOMMENDED

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS RECOMMENDE

Other Protective Equipment:APRON RECOMMENDED

Work Hygienic Practices:MFR: ? HMIS:USE GOOD CHEMICAL HYGIENE

PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING
OR DRINKING.

Supplemental Safety and Health

KEY2:KT

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

HCC:C3

NRC/State Lic Num:NONE

Boiling Pt:B.P.

Text:>212F,>100C
Vapor Pres:AS WATER
Vapor Density:AS WATER
Spec Gravity:1.35
pH:5.30

Evaporation Rate & Reference:SAME AS WATER
Solubility in Water:100%
Appearance and Odor:CLEAR AND COLORLESS SLIGHT AMMONIA ODOR

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

Stability Indicator/Materials to Avoid:YES
STRONG ALKALIS, STRONG OXIDIZING AGENTS
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:OXIDES OF CARBON AND SULFUR; AMMONIA

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

Waste Disposal Methods:RECOVER NON-USABLE FREE LIQUID AND/OR
CONTAMINATED WATER AND DISPOSE OF IN AN APPROVED AND PERMITTED
TREATMENT SYSTEM. REMOVE NON-USABLE SOLIDS AND/OR CONTAMINATED
SOIL FOR DISPOSAL IN A PERMITTED LANDFILL. DISCHARGE TO SEWER
REQUIRES APPROVAL.

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