

CLAYTON CHEMICAL CO. -- 209-061 INDUSTRIAL X-RAY HARDENER, PART B -- 6750-00-092-5054  
===== Product Identification =====

Product ID:209-061 INDUSTRIAL X-RAY HARDENER, PART B

MSDS Date:06/11/1988

FSC:6750

NIIN:00-092-5054

MSDS Number: BCYMM

=== Responsible Party ===

Company Name:CLAYTON CHEMICAL CO.

Address:13310 FIGUEROA STREET

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

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

Ingred Name:ALUMINUM SULFATE (SARA III)

CAS:10043-01-3

RTECS #:BD1700000

Fraction by Wt: 35%

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LB

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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:INHALATION OF VAPORS OR MIST MAY  
RESULT IN BRONCHITIS,PULMONARY EDEMA & CHEMICAL PNEUMONITIS;  
INGESTION OF LIQUID WILL BURN MOUTH & THROAT CAUSING SEVERE  
ABDOMINAL PAIN,NAUSEA,VOMITING & COLLAPSE.  
Effects of Overexposure:INHALATION: VAPORS CAN CAUSE

COUGHING,CHOKING,AND IRRITATION OF THE RESPIRATORY TRACT.  
INGESTION: CAN CAUSE IRRITATION TO MOUTH & GI TRACT. EYE/SKIN: CAN  
CAUSE SEVERE IRRITATION TO EYES AND SKIN. MIS T OR LIQUID CONTACT  
MAY DAMAGE THE EYESPERMANENTLY.IN SEVERE CONDITIONS OF  
OVEREXPOSURE,VAPORS MAY CAUSE BURNS TO EYES.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR RESPIRATORY  
TRACT PROBLEMS MAY BE MORE SUSCEPTIBLE TO THE  
EFFECTS OF THIS  
PRODUCT

===== 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 HOLDING EYELIDS OPEN.GET MEDICAL ATTENTION.  
SKIN:REMOVE CO NTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR  
15 MINUTES.GET MEDICAL ADVICE. INGESTION:GIVE MILK OR WATER.DO NOT  
INDUCE VOMITING.GIVE NOTHING BY MOUTH IF UNCONSCIOUS  
. GET IMMEDIATE  
MEDICAL HELP.

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

Flash Point:NONE  
Extinguishing Media:USE APPROPRIATE MEDIA FOR SURROUNDING FIRES.  
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:NONE NONE TO CLAYTON.

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

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Spill Release Procedures:ABSORB & REMOVE BULK OF SPILL WITH ABSORBENT SWEEPING COMPOUND,NEUTRALIZE ANY REMAINING LIQUID WITH A SUITABLE BASE SUCH AS SODIUM HYDROXIDE.

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

Handling and Storage Precautions:AVOID BREATHING FUMES. WEAR APPROPRIATE PROTECTIVE CLOTHING.

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

Respiratory Protection:NONE REQUIRED USUALLY.  
Ventilation:LOCAL EXHAUST  
Protective G  
loves:RUBBER/NEOPRENE  
Eye Protection:CHEMICAL SPLASH GOGGLES  
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
THIS IS PART-B OF A TWO (2) PARTS KIT.PART A IS UNDER PNI "A",THIS  
NSN.KEY1:C1

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

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HCC:C1  
Boiling Pt:B.P. Text:>212F/100C  
Spec Gravity:1.24  
pH:1.8  
Evaporation Rate & Reference: