

## **CRONEX XMF-B(SEE "SUPP"), PART-B**

### **MSDS Number**

BGJTK

### **National Stock Number**

6525-01-061-4367

### **Product Name**

CRONEX XMF-B(SEE "SUPP"), PART-B

### **Manufacturer**

E I DUPONT DE NEMOURS AND CO

### **Product Identification**

Product ID:CRONEX XMF-B(SEE "SUPP"), PART-B

MSDS Date:05/01/1986

FSC:6525

NIIN:01-061-4367

MSDS Number: BGJTK

### **Responsible Party**

E.I.DUPONT DE NEMOURS & CO.

1007 MARKET STREET

WILMINGTON , DE 19899

US

Emergency Phone: 800-441-7515

Info Phone: 800-441-7515

Cage: DO229

### **Contractor**

E.I.DUPONT DE NEMOURS & CO INC

1635

BOSTON, MA 02118

US

800-441-7515

Cage: DO229

### **Ingredients**

ALUMINUM CHLORIDE

CAS: 7446-70-0

RTECS: BD0525000

Fraction By Weight:

OSHA PEL2 MG/M3 (AS AL)

ACGIH TLV: 2 MG/M3 (AS AL);8990

ACETIC ACID (SARA III)

CAS: 64-19-7

RTECS: AF1225000

Fraction By Weight:

OSHA PEL10 PPM

ACGIH TLV: 10 PPM/15 STEL; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

GLUCONIC ACID

CAS: 526-95-4

RTECS: LZ5057100

Fraction By Weight:

## Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Health Hazards Acute and Chronic:CAUSES EYE & SKIN BURNS.INHALATION CAUSES SEVERE RESPIRATORY IRRITATION & DENTAL EROSION.INGESTION CAUSES GASTROINTESTINAL CORROSION.ALUMINUM CHLORIDE HAS SHOWN EMBRYOTOXIC EFFECTS IN TESTS ON SOME LA BORATORY ANIMALS.  
Effects of Overexposure:EYE,SKIN BURNS;RESPIRATORY,MUCOUS MEMBRANE IRRITATION;DERMATITIS;COUGHING,DIFFICULTY BREATHING;NAUSEA;ABDOMINAL PAIN & DIARRHEA.  
Medical Cond Aggravated by Exposure:ACTIVATED CHARCOAL SLURRY MAY BE USED IN CASES OF INGESTION WHEN VOMITING IS CONTRAINDICATED.USE 50G ACT. CHARCOAL IN 400ML WATER TO MAKE SLURRY. DOSAGE:5MG PER KG OF BODY WEIGHT.

## First Aid

First Aid:INH:REMOVE TO FRESH AIR,IF NOT BREATHING,GIVE ARTIFICIAL RESPIRATION OR OXYGEN; SKIN/EYE CONTACT:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES; ING:DO NOT INDUCE VOMITING,GIVE LARGE QUANTITIES OF WATER,NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## Fire Fighting

Extinguishing Media:ANY APPLICABLE TO PRIMARY CAUSE OF FIRE.  
Fire Fighting Procedures:EVACUATE PERSONNEL TO A SAFE AREA.KEEP PERSONNEL REMOVED & UPWIND OF FIRE.WEAR SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:HEATING CAN RELEASE VAPORS WHICH CAN BE IGNITED.

## Accidental Release

Spill Release Procedures:USE APPROPRIATE PROTECTIVE EQUIPMENT.DIKE SPILL,PREVENT LIQUID FROM ENTERING SEWERS,WATER WAYS OR LOW AREAS.SOAK UP WITH SAWDUST,SAND,OIL DRY OR OTHER ABSORBENT MATERIAL.  
Neutralizing Agent:SODIUM BICARBONATE(BAKING SODA)

## Handling

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED.DO NOT STORE WITH STRONG BASES. DO NOT CONTAMINATE FOOD,DRINK,TOBACCO WITH THIS MATERIAL.  
Other Precautions:KEEP CONTAINER CLOSED.WASH WELL AFTER HANDLING.WASH CLOTHING BEFORE RE-USE.

## Exposure Controls

Respiratory Protection:CHEMICAL CARTRIDGE RESPIRATOR:WITH ORGANIC VAPOR CARTRIDGES IN ABSENCE OF LOCAL EXHAUST.  
Ventilation:ADEQUATE VENTILATION  
Protective Gloves:LATEX OR NEOPRENE GLOVES  
Eye Protection:CHEMICAL SPLASH GOGGLES  
Supplemental Safety and Health  
PART-B OF A TWO PART KIT, XMF STANDS FOR X-RAY MULTI-PROCESS FIXER/RELENISHER. THESE PARTS A & B ARE CONCENTRATES. FOR THE PREMIXED WORKING STRENGTH SOLN, SEE NSN 6525-00-D00-1514. KEY1:C2.

## Chemical Properties

HCC:C2  
Boiling Pt:>100.C, 212.F  
Spec Gravity:1.2  
Solubility in Water:100 WT%  
Appearance and Odor:CLEAR,COLORLESS TO LIGHT AMBER WITH STRONG VINEGAR  
ODOR

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG BASES  
Hazardous Decomposition Products:DECOMPOSES BY REACTION WITH STRONG  
BASES.

## Disposal

Waste Disposal Methods:RECOVER NONUSABLE FREE LIQUID AND CONTAMINATED  
WATER & DISPOSE OF IN AN APPROVED & PERMITTED BIOLOGICAL TREATMENT  
SYSTEM OR AN APPROVED DEEPWELL. REMOVE NONUSABLE SOLID MATERIAL &  
CONTAMINATED SOIL FO R DISPOSAL IN AN APPROVED LANDFILL.

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