

IMC AMERICHEM -- CHROMIC ANHYDRIDE,CHROMIUM OXIDE -- 6810-00-264-3939

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Product Identification  
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Product ID:CHROMIC ANHYDRIDE,CHROMIUM OXIDE

MSDS Date:05/01/1991

FSC:6810

NIIN:00-264-3939

MSDS Number: BQNPB

=== Responsible Party ===

Company Name:IMC AMERICHEM

Address:5129 UNRUH AVE

City:PHILADELPHIA

State:PA

ZIP:19135-2910

Country:US

Info Phone Num:215-335-0990

Emergency Phone Num:215-335

-0990/800-424-9300(CHEMTREC)

CAGE:0H8V2

=== Contractor Identification ===

Company Name:A AND B CHEMICAL AND EQUIPMENT CO

Address:2931 2ND AVE SUITE 100

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-329-3197

CAGE:0F8M0

Company Name:IMC AMERICHEM

Address:5129 UNRUH AVE

Box:City:PHILADELPHIA

State:PA

ZIP:19135-2910

Country:US

Phone:215-335-0990/800-424-9300(CHEMTREC)

CAGE:0H8V2

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Composition/Information on Ingredients  
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Ingred Name:CHROMIC ACID (SARA III)/CH

ROMIC ANHYDRIDE (CONTAINS 52% CHROMIUM.)

CAS:7738-94-5

RTECS #:GB2450000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG CRO3/M3;CEILG

ACGIH TLV:0.05 MG/M3; 9293

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingrid Name:NON-HAZARDOUS INGREDIENTS/MFR STATES NO OTHER HAZARDOUS MATERIAL IS PRESENT IN CONCENTRATION GREATER THAN 1%.

Other REC Limits:NOT RELEVANT

OSHA PEL:NOT RELEVANT

ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:LD50

(ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE- DRY/WET CHROMIC ACID IS

CORROSIVE TO EYES, SKIN, MUCOUS MEMBRANES & CAN RESULT IN SEVERE BURNS ON CONTACT. INHALATION OF DUST/MIST CAN CAUSE RESPIRATORY SYSTEM IRRITATION & DAMGE. CAN BE ABSORB ED THROUGH SKIN CAUSING SYSTEMIC POISONING. INGESTION CAN CAUSE BURNS & EVEN SMALL QUANTITY CAN BE FATAL. CH

RONIC- UNK.

Explanation of Carcinogenicity:THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF HEXAVALENT CHROMIUM COMPOUNDS IN HUMAN (MSDS).

Effects of Overexposure:DRY/WET CHROMIC ACID IS CORROSIVE TO EYES, SKIN, MUCOUS MEMBRANES & CAN RESULT IN SEVERE BURNS ON CONTACT. INHALATION OF DUST/MIST CAN CAUSE RESPIRATORY SYSTEM IRRITATION & DAMGE. CAN BE ABSORBED THRO UGH SKIN CAUSING SYSTEMIC POISONING. INGESTION CAN CAUSE BURNS & EVEN SMALL QUANTITY CAN BE FATAL.

Medical Co

nd Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN

DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMI TING. IF CONSCIOUS, DRINK PL

ENTY OF WATER/MILK. IF

VOMITING OCCURS, KEEP AIRWAY CLEAR & DRINK MORE WATER. IMMEDIATE ADMINISTRATION OF 1 GM ASCORBIC ACID (EFFERVESCENT FORM) BY MOUTH IS RECOMMENDED.

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Fire Fighting Measures  
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Flash Point:NONE

Extinguishing Media:WATER

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:WILL NOT BURN OR SUPPORT COMBUSTION. UNDER EXTREME HEAT, IT WILL DECOMPOSE TO CO<sub>2</sub> AND O<sub>2</sub> (GAS). THE LATTER WILL THEN SUPPORT COMBUSTION.

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Accidental Release Measures  
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Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. SOLIDS MAY BE SHOVELED INTO DRUMS FOR USE/DISPOSAL. SPILLED LIQUID MATERIAL SHOULD BE CONTAINED, ABSORBED WITH AN INERT ABSORBANT SUCH AS VERMICULITE, SAND/SOIL & THEN SHOVELED/SWEPT TO A CLOSED METAL CONTAINER.

Neutralizing Agent:REDUCING AGENTS SUCH AS SODIUM BISULFITE, SODA ASH, LIME

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Handling and Storage  
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Handling and Storage Precautions:STORAGE- STORE IN DRY AREA IN TIGHTLY CLOSED CONTAINERS, AWAY FROM FLAMMABLE/COMBUSTIBLE MATERIALS.

Other Precautions:DANGER! STRONG OXIDIZER & CORROSIVE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING DUSTS. USE WITH ADEQUATE VENTILATION. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. ALL CONTAINERS SHOULD BE KEPT TIGHTLY SEALED.

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Exposure  
Controls/Personal Protection  
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Respiratory Protection:USE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH) APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE WHEN PERMISSIBLE EXPOSURE LIMITS ARE EXCEEDED.

Ventilation:PROVIDE GENERAL VENTILATION OR LOCAL EXHAUST TO MEET OSHA PERMISSIBLE EXPOSURE LIMITS (OSHA PEL).

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES & FACE SHIELD

Other Protective Equipment:USE RUBBER

R APRON, RUBBER BOOTS AND HARD HAT.

EYEWASH AND SAFETY SHOWER SHOULD BE LOCATED NEARBY.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. KEEP AWAY FROM REACH OF CHILDREN.

Supplemental Safety and Health

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

HCC:D3

Melt/Freeze Pt:M.P/F.P Text:385F,196C

Decomp Temp:Decomp Text:482F,250C

Spec Gravity:2.70

Solubility in Water:62.5 % @ 20 C

Appearance and Odor:DARK RED CRYSTALS - PUNGENT ODO

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

Stability Indicator/Materials to Avoid:YES

SULFURIC ACID (BECOMES A STRONG OXIDIZER), SAW DUST (MAY IGNITE ON PROLONGED CONTACT), COMBUSTIBLE MATERIALS

Stability Condition to Avoid:EXTREME HEAT

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DO NOT DISCHARGE INTO SEWERS OR NAVIGABLE WATER.

WASTE CHROMIC ACID SHOULD BE RECLAIMED OR SHOULD BE REDUCED TO

TRIVALENT CHROMIUM AND NEUTRALIZED. THE PRECIPITATED CHROMIUM HYDROXIDE CAN BE DISPOSED OF BY BURYING IN ACCORDANCE WITH ALL REGULATIONS.

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