

ACI CHEMICALS INC -- ACI ALUMIBOND 1200 -- 8030-00-057-2354

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Product Identification
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Product ID:ACI ALUMIBOND 1200
MSDS Date:10/01/1991
FSC:8030
NIIN:00-057-2354
MSDS Number: BVZDH
=== Responsible Party ===
Company Name:ACI CHEMICALS INC
Address:140 INDUSTRIAL STREET
City:LANCASTER
State:TX
ZIP:75134-5000
Country:US
Info Phone Num:214-227-2241
Emergency Phone Num:214-227-2241
CAGE:GO410

=== Contractor Identification ===
Company Name:ACI CHEMICALS INC
Address:140 INDUSTRIAL ST
City:LANCASTER
State:TX
ZIP:75134-5000
Country:US
Phone:214-227-2241
CAGE:GO410

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Composition/Information on Ingredients
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Ingred Name:CHROMIC ACID (SARA III)
CAS:7738-94-5
RTECS #:GB2450000
Fraction by Wt: 40-60%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM FERRICYANIDE
CAS:13746-66-2
RTECS #:LJ8225000
Frac

tion by Wt: 5-15%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:5 MG/M3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES
Explanation of Carcinogenicity:BASED ON 100% CHROMIC ACID FLAKE: NTP:
KNOWN TO BE CARCINOGENIC. IARC SUFFICIENT EVIDENCE FOR
CARCINOGENICITY.
Effects of Overexposure:INHALATION OF DUST OR MIST MAY CAUSE IRRITATION
OF THE NASAL SEPTUM AND RESPI
RATORY TRACT. MAY CAUSE MODERATE
IRRITATION OR CONJUNCTIVITES. CAN CAUSE SEVERE BURNS NOT
IMMEDIATELY PAINFUL OR VISIBLE. S KIN CONTACT CAN CAUSE EXTERNAL
ULCERS AND ULCERATION OF BROKEN SKIN, 'CHROME SORES.'
Medical Cond Aggravated by Exposure:N/K NOTE TO DR: MASSIVE
OVEREXPOSURE TO SLUTIONS COULD LEAD TO KIDNEY FAILURE & DEATH
(AVOIDED THROUGH USE OF EARLY RENAL DIALYSIS).ASCROBIC ACID (IV)
EFFECTIVE PREVENT RENAL FAILURE.*

===== First Aid Measur
es =====

First Aid:EYES: IMMED FLUSH W/WATER AT LEAST 15 MIN,HOLDING LIDS APART.
WASHING W/IN 1 MIN ESSENTIAL FOR MAX EFFECTIVENESS. GET MED AID
IMMED. SKIN:WASH W/WATER & SOAP AT LEAST 15 MIN. REMOVE CONTAM
FOOTWEAR & CLOTH & WASH BEFORE REUSE. DISCARD FOOTWEAR WHICH
CANNOT BE DECONTAMINATED. GET IMMED MED AID. INHAL: REMOVE TO FRESH
AIR ASAP.IF BREATHING STOPPED, GIVE ARTIF RESP IMMED. GIVE OXYGEN
IF AVAILABLE.**

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

Extinguishing Media:WATER FOG, DRY CHEMICAL OR CARBON DIOXIDE
* 1% SOLUTION.
Fire Fighting Procedures:UNDER FIRE CONDITIONS,DECOMPOSING MAT'L MAY
FORM HOT VISCOUS FOAM. SELF CONTAINED BREATHING APPARATUS SHOULD BE
WORN BY FIRE FIGHTERS IN AREA WHERE MAT'L STORED
Unusual Fire/Explosion Hazard:OXIDIZER. AVOID CONTACT WITH ORGANIC
MATERIALS.

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

Spill Release Procedures:REM

OVE AS MUCH AS POSSIBLE.THEN TREAT SPILL

AREA W/REDUCE AGENT TO CONVERT HEXAVALENT CHROME TO TRIVALENT FORM & NEUTRALIZE W/WEAK BASE.FOLLOW NEUTRALIZATN,SOAK UP W/INERT ABSORB PLACE IN CLOSED LABEL ED CNTNR.STORE IN SAFE PLACE.NEVER FLUSH TO SEWER.

Neutralizing Agent:WEAK BASE: SODA ASH, CAUTIC SODA OR LIME.

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

Handling and Storage Precautions:WEAR APPROPRIATE SAFETY EQUIPMENT WHEN HANDLING. DON'T STORE IN ARE AS OF HIGH HUMIDITY. DON'T STORE IN CLOSE PROXIMITY TO COMBUSTIBLE MATERIALS.

Other Precautions:STORE IN CLOSED CNTNRS AWAY FROM SOURCES OF HEAT.WASH DOWN EQUIP W/LRG AMTS WATER & DISPOSE OF RESULTANT RESIDUE AS INDICATED IN WASTE DISPOSAL.DISPOSE OF EMPTY CNTNRS IN ACCORD W/FED,STATE,LOCAL REGS .FOLLOW ALL DOT LABELS ON EMPTY DRUMS.

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

Respiratory Protection:USE A NIOSH/MSHA APPROVED RESPIRATOR WHERE DUSTS, M

ISTS, FUMES MAY BE GENERATED.

Ventilation:USE ADEQUATE LOCAL EXHAUST VENTILATION WHERE DUSTS OR FUMES ARE GENERATED.

Protective Gloves:NEOPRENE GLOVES

Eye Protection:FACE SHIELD & CHEMICAL GOGGLES

Other Protective Equipment:SUFFICIENT CLOTHING AND PROTECTIVE GARMENTS TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING PRODUCT.

Supplemental Safety and Health

* SKIN ULCERS MAY BE TREATED BY REMOVAL FROM EXPOSURE,DAILY CLEANSING,DEBRIDEMENT & APPLICATN OF ANTIBIOTIC CREAM & DRESSING.

** IF CONSCIOUS IRRIGATE NASAL PASSAGES & MOUTH

W/WATER.GET ME D AID IMMED. INGEST:NOTHING BY MOUTH

TOUNCONSCIOUS.GIVE LRG QTY WATER.INDUCE VOMIT.KEEP AIRWAY CLEAR.GET MED AID IMMED.

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

HCC:D3

pH:1.81 *

Solubility in Water:COMPLETE

Appearance and Odor:DARK RED POWDER WITH SLIGHT ODOR

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

Stability Indicator/Mat

erials to Avoid: YES

STRONG OXIDIZING AGENT, EVEN IN SOLUTION. AVOID CONTACT W/ ORGANIC MATERIALS. PRODUCT HYDROSCOPIC. DONT STORE IN HUMID PLACES

Stability Condition to Avoid: NONE KNOWN

Hazardous Decomposition Products: PRODUCT CONTAINS POTASSIUM FERRICYANIDE WHICH DECOMPOSES ON STRONG HEATING TO EVOLVE HIGHLY TOXIC FUMES.

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

Waste Disposal Methods: HEXAVALENT CHROME IN SOLUTION REDUCED TO TRIVALENT CHROME BY REDUCING (SODIUM BISULFITE & BISULFITE, SULFUR DIOXIDE, FERROUS SULFITE OR CHLORIDE. REDUCED CHROME PRECIPITATED AS CHROMIC OXIDE BY NEUTRALIZING TO PH 7.5. DISPOSE IN ACCORD W/ FED, STATE, LOCAL REGS.

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