

ACI CHEMICALS INC -- ALUMIBOND 1200 -- 8030-00-811-3723

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Product Identification
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Product ID:ALUMIBOND 1200

MSDS Date:01/09/1991

FSC:8030

NIIN:00-811-3723

MSDS Number: BQDMB

=== 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

Preparer's Name:DI

ANE E PATTERSON

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 SPECIFIED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.05 MG/M3

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM FERRIC

YANIDE
CAS:13746-66-2
RTECS #:LJ8225000
Fraction by Wt: 5-15%
Other REC Limits:NONE SPECIFIED

Ingred Name:MISCELLANEOUS NON-HAZARDOUS INGREDIENTS
Fraction by Wt: 25-55%
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES
Health Hazards Acute and Chronic:INHAL:ACUTE POISON DAMAGE TO MUCOUS
MEMBRANE, NASAL SEPTUM PERFORATION, NOSE BLEED, RE
SP SYSTEM IRRIT.
EYES/ SKIN:CORROSIVE, SEVERE BURN, EXTERNL ULCERS & BROKEN SKIN
ULCERATN. CHROME SORES, SLOW HEAL ING SCAR. INGEST:BURNS, SEVERE
GASTRIC COMPLICATN/PAIN, INTERNAL BLEEDING, GI TRACT DAMAGE, DEATH.
SKELETAL ABNORMALITIES
Explanation of Carcinogenicity:LABORATORY ANIMAL TESTS INDICATE THIS
PRODUCT IS CARCINOGENIC TO LABORATORY TEST ANIMALS.
Effects of Overexposure:PRODUCT IS CORROSIVE TO BOTH EYE AND SKIN
TISSUE. CONTACT WITH SMALL AMOUNT OF DUST OR MIST CAN
RESULT IN
SEVERE BURNS. PRODUCT CAN BE ABSORBED THROUGH SKIN AND CAUSE SYSTEM
POISONING INCLUDING SEVERE GASTRIC PAIN AND INTERNAL BLEEDING.
Medical Cond Aggravated by Exposure:EYE & SKIN DISORDERS OR DAMAGE TO
MUCOUS MEMBRANES MAY BE MORE SUSCEPTABLE TO EXPOSURE. CONDUCT
SCREEN/EXAMINATIONS ON INDIVIDUALS WHO MAY BE EXPOSED TO FURTHER
RISK IF EXCESSIVE EXPOSURE.

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

First Aid:SKIN OR EYE CONTACT: FLUSH IMMEDI
ATELY WITH WATER (SOAP &
WATER FOR SKIN) FOR 15 MIN WHILE REMOVING CONTAMINATED CLOTHING &
SHOES. SEEK MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO
FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL
RESUSCITATION. CAUTION: INHALED CORROSIVE DUST MAY BE TRANSMITTED
DURING RESUSCITATION. INGESTION: DO NOT INDUCE VOMITING. SEEK
IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:PRODUCT IS NOT COM

BUSTIBLE. DRY POWDER, DRY
CHEMICAL.

Fire Fighting Procedures:USE FULL FACE, AIR-SUPPLIED, POSITIVE PRESSURE
RESPIRATORY DEVICE TO PROTECT AGAINST EXPOSURE TO FLUORIDE, FUMES
OF FLUORIDE SALTS, HYDROGEN CYANIDE GAS.

Unusual Fire/Explosion Hazard:CONTAINS STRONG OXIDIZER. AVOID CONTACT
WITH ORGANIC MATERIALS. PRODUCT REACTS WITH ACIDS & CAN LIBERATE
TOXIC HCN GAS, WHICH FORMS EXPLOSIVE MIXTURE WITH AIR.

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

Spill

Release Procedures:SHOVE/SWEEP DRY MAT'L TO CLSD METAL CNTNR.
MINIMIZE AIRBORNE DUST, AVOID AIR/WATER CONTAMNTN. CONTAIN LIQUID.
ABSORB W/INERT ABSORBENT (VERMIC, SAND, SOIL, ABSORB PILLOWS)
SHOVEL INTO CLSD METAL CNTNR S. RQ: 10 LBS CHROMIC ACID. WEAR
PROTECT EQUIP.

Neutralizing Agent:LIME SLURRY, SODA ASH, OR OTHER ALKALI. AVOID
HYDROGEN FLUORIDE GAS EXPOSURE.

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

Handling and Storage Precautions:STORE IN DR
Y, VENTED AREA, AWAY FROM

HEAT, STRONG ALKALIES, FOOD. KEEP CONTAINER CLOSED. DONT
RECYCLE/REUSE CNTNR. WEAR PROTECTIVE EQUIPMENT.

Other Precautions:DISPOSE OF EMPTY CONTAINER IN ACCORDANCE WITH LOCAL,
STATE & FEDERAL REGULATIONS. TAKE SHOWER DAILY AFTER WORK, USING
SOAP. DONT WEAR CONTAMINATED CLOTHING. USE ONLY WITH VENTILATION
SUFFICIENT TO LIM IT EXPOSURE TO AT OR BELOW PEL.

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

Respiratory Protection:MSHA/
NIOSH APPROVED FILTER-TYPE RESPIRATOR USED
IN ACCORDANCE WITH REQUIREMENTS OF 29 CFR 1910.134.

Ventilation:MAINTAIN WORK PLACE CONCENTRATION BELOW TLV ALONG WITH
LOCAL EXHAUST TO CONTROL EXPOSURE TO AIRBORNE FLUORIDE COMPOUNDS.

Protective Gloves:GAUNTLET-TYPE GLOVES (ACID RESISTANT)

Eye Protection:CHEMICAL SAFETY GOGGLES. NO CONTACTS.

Other Protective Equipment:RUBBER BOOTS, LONG SLEEVE SHIRT ARE
RECOMMENDED. AVAILABILITY OF SAFETY SHOWER & EYEWASH FOUNTAIN IS
RECOMMENDED.

Work H

Hygienic Practices: WASH HANDS PRIOR TO EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

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

HCC:D3

pH:1.81

Solubility in Water: COMPLETE

Appearance and Odor: DARK RED AND WHITE POWDER MIX WITH SLIGHT ODOR.

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

Stability Indicator/Materials to Avoid: YES

AVOID ORGANIC MAT'L'S, OILS, GREASES, OXIDIZING MAT'L, ACIDS, COPPER NITRATE, AMMONIA, SODIUM NITRATE, CHROMIUM TRIOXIDE.

TE, CHROMIUM TRIOXIDE.

Hazardous Decomposition Products: DURING MELTING/HIGH TEMP: HYDROGEN FLUORIDE, POTASSIUM FLUORIDE, VARIOUS CYANIDE COMPOUNDS INCLUDING HYDROGEN CYANIDE.

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

Waste Disposal Methods: LOWER PH (SULFURIC ACID). ADD SODIUM BISULFITE (REDUCE CHROME). ADD FERROUS SULFATE (REDUCE CYANIDE). RAISE PH (LIME). ADD FLOCCULANT, SETTLE. FILTER SLUDGE. IF CHROMIUM REDUCE TO 5PPM TCLP & CYANANIDE REACTED, LANDFILL. IF

NOT PROCESSED, EPA

CODES: D001, D002, D007.

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