

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

===== Product Identification =====

Product ID:ALUMIBOND 1200

MSDS Date:11/01/1990

FSC:8030

NIIN:00-811-3723

MSDS Number: BJZDK

=== 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:DIA

NE 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

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

Ingred Name:CHROMIC ACID

CAS:1333-82-0

RTECS #:GB6650000

Fraction by Wt: 40-60%

Other REC Limits:NONE SPECIFIED

OSHA PEL:.1 MG/M3

ACGIH TLV:.05 MG/M3

Ingred Name:POTASSIUM FERROCYANIDE

CAS:13746-66-2

RTECS #:LJ8225000

Fraction by Wt:

5-15%
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:CAN CAUSE ACUTE POISONING DAMAGE TO
MUCOUS MEMBRANES,PERFORATION OF NASAL SEPTUM,NOSE BLEEDS/IRRIT OF
THE RESPIRATORY SYSTEM.SKIN CONTACT:BURNS,EXTERNAL
ULCERS/ULCERATION OF BROKEN SKIN,"CHROME SORES" & SLOW HEALING
SCARS.INGE
STION:BURNS,SEVER GASTRIC PAIN,INTERNAL BLEEDING/TISSUE
DAMAGE TO THE DIGESTIVE TRACT.
Explanation of Carcinogenicity:LABORATORY ANIMAL TESTS INDICATE THIS
PRODUCT IS CARCINOGENIC TO LABORATORY TEST ANIMALS.
Effects of Overexposure:PRODUCT IS COOROSIVE TO BOTH EYE AND SKIN
TISSUE. CONTACT WITH SMALL AMOUNTS OF DUST OR MIST CAN RESULT IN
SEVERE BURNS. PRODUCT CAN BE ABSORBED THRU SKIN AND CAUSE SYSTEM
POISING INCLUDING SEVERE GAS TRIC PAIN AND INTERNAL BLEEDING.
Medical Cond A
ggravated by Exposure:PERSONS WITH PRE-EXISTING EYE/SKIN
DISORDERS OR DAMAGE TO MUCOUS MEMBRANES ARE MORE SUSCEPTABLE TO
THIS PRODUCT.CAN BE RESPIRATORY IRRITANT & IS LINKED TO SKELETAL
ABNORMAL & GASTRIC COMPPICATIONS.

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

First Aid:SKIN/EYE CONTACT:FLUSH IMMEDIATELY WITH WATER (SOAP & WATER
FOR SKIN) FOR 15 MIN WHILE REMOVING CONTAMINATED CLOTHING AND
SHOES. SEEK MEDICAL ATTENTION IMMEDIATELY. INHALATION:REM
OVE TO
FRESH AIR. IF BREATHING HAS STOPPED GIVE MOUTH TO MOUTH
RESUSCITATION. SEEK MEDICAL ATTENTION IMMEDIATELY. INGESTION: DO
NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE
Extinguishing Media:NOT COMBUS.USE DRY CHEM WHERE PRODUCT IS STORED.
REACTS WIH ACIDS/CAN BE LIBERATE TOXIC HCN GAS,FORMS EXPLO MIXTURE
W/AI
Fire Fighting Procedures:USE FULL FACE,AIR-SUPPLIED POSITIVE PRESS

RESPIRATORY DEVICE TO PROTECT AGAINST EXPO TO HYDROGEN
FLUORIDE,FUMES OF FLUORIDE SALTS/POSSIBLE HYDROGEN CYANIDE GAS.
Unusual Fire/Explosion Hazard:CONTAINS A STRONG OXIDIZER. AVOID CONTACT
WITH ORGANIC MATERIALS.1.81 (1%)

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

Spill Release Procedures:CAREFULL SHOVEL/SWEEP SPILLED DRY MAT'L INTO
CLOSED METAL CONTAINER FOR RECLAMATION/DISPOSAL.USE CAU TO MIN
AIRBORNE GEN OF POWDER/DUST/AVOID CONTAM OF AIR/WATER
.SPILLED
LIQUID MAT'L SHOULD BE CONTAIN ED,ABSORBED W/INERT ABSORBANT.REPORT
QUANTITY 10LB
Neutralizing Agent:LIME SLURRY,SODA ASH/OTHER ALKALI.USE CAUTION TO
AVOID EXPO TO HYDROGEN FLUORIDE

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

Handling and Storage Precautions:STORE IN DRY,WELL VENT AREA AWAY FROM
HEAT/ SEPARATE FROM STRONG ALKALIES.KEEP CONTAINER CLOSED WHEN NOT
IN USE.DONOT RECYCLE/REUSE CONTAINER.WEAR PRO
Other Precautions:TAKE SHOWER DAILY
AFTER WORK,USING PLENTY OF SOAP.DO
NOT WEAR CONTAMINATED CLOTHING.WEAR PROTECTIVE CLOTHING DURING
HANDLING. KEEP SEPARATED FROM FOOD.USE ONLY WITH VENT SUFFICIENT TO
LIMIT EMPLOYEE E XPO IN WORK AREAS TO AT OR BELOW LIMITS.

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

Respiratory Protection:MSHA/NIOSH APPROVED FILTER-TYPE RESPIRATOR USED
IN ACCORDANCE WITH THE REQUIREMENTS OF 29 CFR 1910.134.
Ventilation:SUFFICIENT TO MAINTAIN WORK PLACE CONCENTRATE BELO
W TLV
ALONG W/LOCAL EXHAUST CONTROL EXPOSURE TO AIRBORNE FLUORIDE CMP.
Protective Gloves:GAUNTLET-TYPE GLOVES ARE RECOMMENDED
Eye Protection:CHEM SAFE GOGGLES.DONOT WEAR CONTACT LEN
Other Protective Equipment:RUBBER BOOTS, LONG SLEEVE SHIRT ARE
RECOMMENDED. AVAILABILITY OF SAFETY SHOWER AND EYEWASH FOUNTAIN IS
RECOMMENDED.
Supplemental Safety and Health

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

HCC:D3
pH:*\br/>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

ORGANIC MAT'L, OILS, GREASES, ANY OXIDIZABLE MATERIALS, ACIDS, COPPER
NITRATE, AMMONIA, SODIUM NITRATE, CHROMIUM TRIOXIDE.

Hazardous Decomposition Products: DURING MELTING OPERATION/HIGH
TEMPS, HYDROGEN FLUORIDE AND POTASSIUM FLUORIDE, ALSO VARIOUS CYANIDE
CPD, HYDROGEN CYANIDE.

===== Disposal Considerations =====
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Waste Disposal Methods: STATE OR FEDERAL REGULATION MAY REQUIRE SPECIFIC
LABELING, PACKING, STORAGE, TRANSPORTATION AND DISPOSAL PROCEDURES.
CONTACT AN ENVIRONMENTAL ENGINEER OR CONSULTANT FAMILIAR WITH WASTE
DISPOSAL REGULATIONS IN YOUR STATE.

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