

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: CAREFULLY SHOVEL/SWEEP SPILLED DRY MAT'L INTO  
CLOSED METAL CONTAINER FOR RECLAMATION/DISPOSAL. USE CAUTION TO MIN  
AIRBORNE GEN OF POWDER/DUST/AVOID CONTAM OF AIR/WATER  
. SPILLED  
LIQUID MAT'L SHOULD BE CONTAINED, 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 EXPO 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 CONCENTRATION BELOW  
TLV  
ALONG W/LOCAL EXHAUST CONTROL EXPOSURE TO AIRBORNE FLUORIDE COMP.  
Protective Gloves: GAUNTLET-TYPE GLOVES ARE RECOMMENDED  
Eye Protection: CHEM SAFE GOGGLES. DONOT WEAR CONTACT LENS  
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: \*  
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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