

FISHER SCIENTIFIC CO -- A575-500 ALUMINUM CHLORIDE, ANHYDROUS -- 6810-00-241-1201  
===== Product Identification =====

Product ID:A575-500 ALUMINUM CHLORIDE, ANHYDROUS

MSDS Date:04/13/1991

FSC:6810

NIIN:00-241-1201

MSDS Number: BVHBN

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO

Address:585 ALPHA DR

City:PITTSBURGH

State:PA

ZIP:15238-2911

Country:US

Info Phone Num:412-963-3300

Emergenc

y Phone Num:800-424-9300 CHEMTREC

CAGE:22527

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:ALUMINUM CHLORIDE

CAS:7446-70-0

RTECS #:BD05

25000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 3730 MG/KG  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION MAY CAUSE  
RESPIRATORY IRRITATION, PULMONARY EDEMA. CONTACT MAY CAUSE SEVERE  
IRRITATION OR BURNS TO SKIN AND EYES. ING  
ESTION MAY CAUSE BURNS TO  
MOUTH/THROAT/ESOPHAGUS, KIDNEY & LIVER DMAGE, SEVERE GI TRACT  
IRRITATION. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE  
CONJUNCTIVITIS, DERMATITIS.  
Explanation of Carcinogenicity:ALUMINUM CHLORIDE IS NOT LISTED AS A  
CARCINOGEN BY NTP, IARC OR OSHA.  
Effects of Overexposure:INHALED-COUGHING,CHOKING,PAIN IN  
NOSE/THROAT/MOUTH,BURNS TO MUCOUS MEMBRANES,TIGHTNESS IN  
CHEST,DYSPNEA,FROTHY SPUTUM,CYANOSIS,DIZZINESS,WEAK/RAPID  
PULSE,HYPOTENSION,HE  
MOCONCENTRATION,MOIST RALES.EYES  
-PAIN,REDNESS,TEARING,BLURRED VISION,CORNEAL  
BURNS.SKIN-PAIN,BURNS,REDNESS.INGESTED-NAUSEA,VOMITNG,DIARRHEA,TENE  
SMUS....  
Medical Cond Aggravated by Exposure:PRESONS WITH EXISTING SKIN  
DISORDERS, EYE PROBLEMS, OR IMPAIRED RESPIRATORY FUNCTION.

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

First Aid:IN ALL CASES GET IMMEDIATE MEDICAL ATTENTION! INHALED-REMOVE  
TO FRESH AIR.GIVE ARTIFICIAL RESPIRATION IF BREATHING  
STO  
PPED.SKIN-REMOVE CONTAMINATED CLOTHES/SHOES.WASH WITH SOAP &  
WATER.EYES-FLUSH WITH LOTS OF WATER FOR 15 MINUTES,LIFT  
LIDS.INGESTED-IF CONSCIOUS,GIVE LARGE AMOUNTS OF MILK OR  
WATER.MEDICAL PERSONNEL-GIVE GASTRIC LAVAGE IF NO VOMITING HAS  
OCCURED.

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

Flash Point:NON-FLAMMABLE  
Extinguishing Media:DRY CHEMICAL OR CARBON DIOXIDE. DO NOT USE WATER!  
Fire Fighting Procedures:DO NOT GET WATER INSIDE CONTAINER. DO GET

STREAM OF WATER ON SPILLED MATERIAL. MOVE CONTAINER FROM AREA IF NO RISK. COOL CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT AND FLAME.

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

Spill Release Procedures: KEEP COMBUSTIBLE AWAY FROM SPILLED MATERIAL. DO NOT TOUCH SPILLED MATERIAL. STOP LEAK IF NO RISK. CLEAN UP ONLY UNDER SUPERVISION OF EXPERT. ISOLATE & DENY ENTRY. DO NOT PUT WATER ON SPILL AREA. DI

KE AREA F OR LATER DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN A COOL, DRY PLACE PROTECTED FROM RAIN & DIRECT SUNSHINE. STORAGE IN SPRINKLERED BUILDING IS NOT RECOMMENDED. STORE AWAY FROM INCOMPATIBLES.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation: PROVIDE LOCAL EXHAUST VENTILATION SYSTEM TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: WEAR APPROPRIATE (IMPERVIOUS) PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC: C3

Boiling Pt: B.P. Text: 504F, 262C

Melt/Freeze Pt: M.P/F.P Text: 374F, 190C

Decomp Temp: Decomp Text: 504F, 262C

Vapor Pres: 1 MM HG

Spec Gravity: 2.44

Solubility in Water: REACTS

Appearance and Odor: WHITE, GRAY, YELLOW CRYSTALLINE DELIQUESCENT

POWDER; PUNGENT ODOR.

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

Stability Indicator/Materials to Avoid: YES

WATER, ALKALI, ALKENES, ALLYL CHLORIDE, BENZOYL CHLORIDE, ETHYLENE, ETHYLENE OXIDE, ISOBUTENE, METALS, NITROBENZENE, SODIUM, ....

Stability Condition to Avoid: MAY DECOMPOSE ON PROLONGED STORAGE CREATING AN EXPLOSION HAZARD WHEN OPENED. REACTS VIOLENTLY WITH WATER/MOISTURE.

Hazardous Decomposition Products: THERMAL DECOMPOSITION PRODUCTS INCLUDE TOXIC AND CORROSIVE HYDROGEN CHLORIDE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DLA-HMIS EPA/RCRA WASTE NUMBER=NONE.

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