

ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP -- AMMONIUM IRON (III)  
DODECAHYDRATE, 99% ACS REAGENT -- 6810-00-275-8125

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Product Identification  
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Product ID:AMMONIUM IRON (III) DODECAHYDRATE, 99% ACS REAGENT

MSDS Date:10/01/1997

FSC:6810

NIIN:00-275-8125

MSDS Number: CHQHT

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP

Address:1001 W. ST. PA

UL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Info Phone Num:414-273-3850/FAX -4979

Emergency Phone Num:414-273-3850

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

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Composition/Information on Ingredients  
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Ingred Name:AMMONIUM IRON(III) SULFATE DODECAHYDRATE, REAGENT

CAS:7783-83-7

RTECS #:WS5900000

Other REC

Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: CAUSES EYE AND SKIN IRRITATION.  
Explanation of Carcinogenicity:NOT CARCINOGENIC.  
Effects of Overexposure:TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL,  
PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY  
INVESTIGATED.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS  
AMOUNTS OF WATER FOR 15 MIN. IN CASE OF CONTACT, IMMEDIATELY WASH  
SKIN WITH SOAP & COPIOUS AMOUNTS OF WATER. IF INHALED, REMOVE TO  
FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF  
BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH  
WITH WATER PROVIDED PERSON IS CONSCIOUS, CALL A PHYSICIAN.

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

Extinguishing Media:NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE  
TO SURROUND FIRE CONDITIONS.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.  
Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:WEAR  
SELF-CONTAINED BREATHING APPARATUS,  
RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND  
HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND  
WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:KEEP TIGHTLY CLOSED. STORE IN A COOL,  
DRY PLACE.  
Other Precautions:IRRITANT.

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

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Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR.

Ventilation:MECHANICAL EXHAUST REQUIRED.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:WEAR OTHER PROTECTIVE CLOTHING, SAFETY  
SHOWER AND EYE BATH.

Work Hygienic Practices:DO NOT BREATHE DUST. WASH THOROUGHLY AFTER  
HANDLING.

Supplemental Safety and Health

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID PROLONGED OR REPEATED  
EXPOSURE.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:102F,39C

Spec Gravity:1.710

Appearance and Odor:PALE-VIOLENT CRYSTALS.

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:SULFUR OXIDES.

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

Waste Disposal Methods:THIS MA

TERIAL SHOULD BE DISSOLVED IN 1) WATER;

2) ACID SOLUTION OR 3) OXIDIZED TO A WATER-SOLUBLE STATE.

PERCIPITATE THE MATERIAL AS THE SULFIDE, ADJUSTING THE PH OF THE  
SOLUTION TO 7 TO COMPLETE PREC IPITATION. FILTER THE INSOLUBLE &  
DISPOSE OF THEM.

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