

ALDRICH CHEMICAL CO -- GADOLINIUM(III) CHLORIDE HEXAHYDRATE, (SUPP -- 6810-00N037955

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Product Identification
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Product ID:GADOLINIUM(III) CHLORIDE HEXAHYDRATE, (SUPP
MSDS Date:06/18/1992
FSC:6810
NIIN:00N037955
MSDS Number: BQVKH
=== Responsible Party ===
Company Name:ALDRICH CHEMICAL CO
Box:355
City:MILWAUKEE
State:WI
ZIP:53201
Country:US
Info Phone Num:414-273-3850
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:GADOLINIUM CHLORIDE, HYDRATE (1:6); (GADOLINIUM
(III)CHLORIDE HEXAHYDRATE)
CAS:13450-84-5
RTECS #:LW4050000
Fraction by Wt: 99.999%

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. CAUSES EYE AND SKIN IRRITATION. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT. TO THE BEST OF MFR'S KNOWLEDGE , THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:EYES: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES & SEEK MEDICAL ADVICE. SKIN: IMMEDIATELY FLUSH WITH SOAP AND COPIOUS AMOUNTS OF WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

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Fire Fighting Measures
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Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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Accidental Release Measures
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Spill Release Procedures:EVACUATE AREA. WEAR NIOSH/MSHA APPRVD RESP, CHEM SFTY GOGGLES, RUBB BOOTS & HEAVY RUBB GLOVES. SWEEP UP, PLACE IN A BAG & HOLD FOR WASTE DISP. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:DO NOT BREATHE DUST. AVOID CONTACT W/EYES/SKIN/CLTHG. AVOID PROLONGED OR REPEATED EXPOSURE. IRRITANT. KEEP TIGHTLY CLOSED. VERY HYGROSCOPIC.

Other Precautions:STORE UNDER NITROGEN. STORE IN A COOL DRY PLACE.

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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:CHEMICAL WORKERS GOGGLES .

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

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

MFR TRADE NAME/PART NO: 99.999%, 20328-9. WASTE DISP METH: TO PH 10.

FILTER OFF ANY PRECIPITATE FOR DISP IN A CHEMICAL LANDFILL. IF NO PRECIPITATION OCCURS, GRADUALLY ADJUST PH FROM 10-6, STOPPING WHEN PRECIPITATION OCCURS. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS .

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

Melt/Freeze Pt:M.P/F.P Text:1128F,609C

Spec Gravity:2.424

Appearance and Odor:WHITE CRYSTALS

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES, PROTECT FROM MOISTURE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:HYDROGEN CHLORIDE GAS.

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

Waste Disposal Methods:CAUTIOUSLY MAKE A 5% SOLN OF MATL IN WATER/DILUTE ACID. THERE MAY BE A VIGOROUS, EXOTHERMIC RXN & FUMES MAY BE GENERATED DUE TO HYDROLYSIS OF MATL. CTL ANY RXN BY COOLING & BY RATE OF ADDN OF MATL. GR ADUALLY ADD DILUTE AMMONIUM HYDROXIDE (SUPP DATA)

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