

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-778/7784-13-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7784-13-6  
**Code:**  
M

**RTECS:**  
BD0530000  
**Code:**  
M

**Name:**  
ALUMINUM CHLORIDE

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
2 MG/CUM  
**Code:**  
M N/P

**ACGIHSTEL:**  
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem  
**Code:**  
1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**  
NIOSH APPROVED DUST/MIST RESPIRATOR W/CHEMICAL GOGGLES

**Ventilation:**  
LOCAL OR GENERLA EXHAUST TO KEEP EXPOSURE BELOW AIRBORNE LIMITS.

**Protective Gloves:**  
REQUIRED

**Eye Protection:**  
CHEMICAL SAFETY GOGGLES

**Other Protective Equipment:**  
Equipment CLEAN BODY COVERING CLOTHING, EYE WASH FOUNTAIN, QUICK DRENCH FACILITY

**Work Hygienic Practices:**  
CONTACT LENSED SHOULD NOT BE WORN WHEN WORKING W/THIS MATERIAL.

**Supplemental Safety and Health:**  
N/K 3

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (MOUSE): 770 MG/KG

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION: RESPIRATORY TRACT IRRITATION. SKIN: IRRITATION. EYES: IRRITATION.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
EYES: REDNESS, PAIN. INGESTION: NAUSEA, VOMITING, ABDOMINAL SPASMS. INHALATION: SHORTNESS OF BREATH, SORE THROAT, COUGHING.

**Medical Cond Aggravated By Exposure:**  
SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NECESSSARY. INGESTION: GIVE SEVERAL GLASSES OF WATER TO DILUTE. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN W/PLENTY OF WATER FOR 15 MINUTES. EYES : WASH W/PLENTY OF WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
VENTILATE AREA. PICK UP & PLACE IN SUITABLE CONTAINER FOR RECLAMATION OR DISPOSAL IN A METHOD THAT DOESN'T GENERATE DUST.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF IN A RCRA APPROVED HAZARDOUS WASTE FACILITY. ENSURE COMPLIANCE W/FEDERAL, STATE & LOCAL REGULATIONS. 2

**Handling And Storage Precautions:**  
KEEP IN A TIGHTLY CLOSED CONTAINER. PROTECT FROM PHYSICAL DAMAGE. STORE IN A COOL, DRY, VENTILATED AREA AWAY FROM HEAT SOURCES.

**Other Precautions:**  
N/K

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/K

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
SUITABLE FOR SURROUNDING FIRE

**Fire Fighting Procedures:**  
WEAR FULL PROTECTIVE CLOTHING & NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS W/FULL FACEPIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

**Unusual Fire/Explosion Hazard:**  
N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/R

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
212F

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
2.39

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
WHITE CRYSTALLINE POWDER W/NO ODOR

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/K

**Materials To Avoid:**  
WATER, MOIST AIR

**Hazardous Decomposition Products:**  
HYDROGEN CHLORIDE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P



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