

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-132/1327-41-9.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
1327-41-9  
**Code:**  
M

**RTECS:**  
BD0549500  
**Code:**  
M

**Name:**  
POLYALUMINIUM CHLORIDE

**Other REC Limits:**  
N/K

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

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K  
**Code:**  
M N/P

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

## Control Measures

**Respiratory Protection:**  
USE A NIOSH APPROVED RESPIRATOR IF MISTS OR VAPORS IN AIR.

**Ventilation:**  
LOCAL EXHAUST: RECOMMENDED.

**Protective Gloves:**  
RUBBER, NEOPRENE

**Eye Protection:**  
GOGGLES, FACE SHIELD

**Other Protective Equipment:**  
Equipment AS NEEDED

**Work Hygienic Practices:**  
WASH THOROUGHLY AFTER HANDLING. REMOVE/LAUNDER CONTAMINATED CLOTHING &SHOES BEFORE REUSE.

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

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
SKIN: DERMATITIS. EYE: IRRITATION & BURNS. INHALATION: NOSE & RESPIRATORY IRRITATION. INGESTION: TOXIC, NAUSEA, VOMITING, DIARRHEA, BURNS TO MUCOUS MEMBRANES, LIVER & KIDNEY DAMAGE.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
SKIN: DERMATITIS. EYE: IRRITATION & BURNS. INHALATION: NOSE & RESPIRATORY IRRITATION. INGESTION: TOXIC, NAUSEA, VOMITING, DIARRHEA, BURNS TO MUCOUS MEMBRANES, LIVER & KIDNEY DAMAGE.

**Medical Cond Aggravated By Exposure:**  
RESPIRATORY PROBLEMS.

**First Aid:**  
EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED. INGESTION: DRINK 1 OR 2 GLASSES OF WATER. DON'T INDUCE VOM ITING. OBTAIN MEDICAL ATTENTION IN ALL CASES IF REQUIRED.

**Spill Release Procedures:**  
WEAR APPROPRIATE PROTECTIVE EQUIPMENT. DIKE TO CONTAIN SPILL. REMAINDER SPILL DILUTE W/WATER & DILUTE ALKALI. NEUTRALIZE W/SODA ASH & LIME. SOAK UP OR VACUUM NEUTRALIZED MATERIAL & PLACE IN CONTAINERS FOR DISPOSAL. FLUSH RESIDUE W/WATER.

**Neutralizing Agent:**  
SODA ASH & LIME.

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE IN A COOL & DRY AREA. DON'T HEAT TO DECOMPOSITION TEMPERATURE. DON'T BREATHE VAPORS & MISTS. AVOID CONTACT W/SKIN & CLOTHING.

**Other Precautions:**  
USE ONLY W/SUFFICIENT VENTILATION. DON'T EAT, DRINK, & SMOKE IN WORK AREAS. WASH THOROUGHLY AFTER HANDLING.

## 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/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
PRODUCT WILL NOT BURN. USE PROPER EXTINGUISHING MEDIA FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
N/K

**Unusual Fire/Explosion Hazard:**  
PRODUCT CAN REACT W/METALS ESPECIALLY SOFT METALS SUCH AS ALUMINUM, & ZINC. PRODUCT IS FLAMMABLE & EXPLOSIVE IN THE PRESENCE OF AN IGNITION SOURCE.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
212F

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K 3

**Vapor Pres:**  
17

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.20

**VOC Pounds/Gallon:**

**PH:** 2.6

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
100%

**Appearance and Odor:**  
CLEAR TO SLIGHTLY HAZY LIQUID ODORLESS.

**Percent Volatiles by Volume:**  
65-70

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
IGNITION SOURCES &HEAT.

**Materials To Avoid:**  
ALKALINE, ALUMINUM, ZINC, &GALVANIZED SURFACES.

**Hazardous Decomposition Products:**  
HYDROGEN CHLORIDE &HYDROGEN.

**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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WARRANTY  
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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