

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-778/7784-27-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

7784-27-2

**Code:**

M

**RTECS:**

BD1050000

**Code:**

M

**Name:**

ALUMINUM (III) NITRATE, NONAHYDRATE \*94-3\*

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

2 MG/CUM

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

MSHA/NIOSH APPROVED RESPIRATOR.

**Ventilation:**

CHEMICAL FUME HOOD.

**Protective Gloves:**

CHEMICAL RESISTANT

**Eye Protection:**

CHEMICAL RESISTANT GOGGLES

**Other Protective Equipment:**

Equipment LAB COAT, PROTECTIVE CLOTHING, EYE WASH STATION.

**Work Hygienic Practices:**

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH CAREFULLY AFTER USE. 3

**Supplemental Safety and Health:**

HEALTH HAZARDS CONT'D: INGESTION: LIQUID WILL CAUSE PAIN & BURNS OF THE MOUTH, ESOPHAGUS & GASTROINTESTINAL TRACT. INHALATION: MAY BE FATAL CAUSING SPASM, INFLAMMATION & EDEMA OF THE LARYNX & BRONCHI, CHEMICAL PNEUMONITI & PULMONARY EDEMA.

## Health Hazards Data

**LD50/LC50 Mixture:**

ORAL LD50(RAT): 264 MG/KG

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

HARMFUL CONCENTRATED NITRIC ACID: VAPOR/MIST: IRRITATION TO THE EYES/MUCOUS MEMBRANES/SKIN. EYE CONTACT:SEVERE BURNS W/PERMANENT DAMAGE/VISUAL IMPAIRMENT. SKIN: LIQUID/VAPOR: SEVERE PENETRATING BURNS CAUSING DEEP ULCERS & STAINING OF THE SKIN. VAPOR/MIST MAY ERODE THE TEETH W/PROLONGED EXPOSURE. (SEE SUPP)

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

CONCENTRATED NITRIC ACID: IRRITATION, BURNS, STAINING OF THE SKIN, PAIN, BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING

**Medical Cond Aggravated By Exposure:**

N/K

**First Aid:**

EYES/SKIN: FLUSH W/WATER FOR 15 MINS. INHALATION: MOVE TO FRESH AIR. INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE PLENTY OF WATER/MILK. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**

VENTILATE AREA. DILUTE W/WATER & NEUTRALIZE W/SODA ASH, LIMESTONE. WIPE UP & PUT INTO A SEALED CONTAINER FOR PROPER DISPOSAL. WASH SITE OFF W/WATER AFTER MATERIAL PICK UP IS COMPLETE. WEAR CHEMICAL RESISTANT EQUIPMENT & MSHA/NIOSH APPROVED RESPIRATOR

**Neutralizing Agent:**

SODA ASH, LIMESTONE 2

**Waste Disposal Methods:**

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**

STORE AT ROOM TEMP. KEEP TIGHTLY SEALED WHEN NOT IN USE.

**Other Precautions:**

AVOID INHALATION, INGESTION & CONTACT W/EYES & SKIN. CONCENTRATED NITRIC ACID WILL ATTACK SOME FORM OF PLASTICS, RUBBER & COATINGS.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

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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 product information in this document is based on data available to us at the time of publication. Lookchem shall not be liable for any damage resulting from handling and/or conditions of contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

**Net Prop WT For Ammo:**

N/R

**Boiling Point:**

N/P

**B.P./Freeze Pt:**

N/K

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

N/K

**Decomp Temp:**

N/K

**Decomp Text:**

N/K

**Vapor Pres:**

N/K

**Vapor Density:**

N/K

**Volatile Org Content %:**

N/A

**Spec Gravity:**

1

**VOC Pounds/Gallon:**

N/K

**PH:**

N/K

**VOC Grams/Liter:**

N/K

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/K

**Solubility in Water:**

COMPLETE

**Appearance and Odor:**

TRANSPARENT W/AN ACRID ODOR.

**Corrosion Rate:**

N/K

**Conditions To Avoid:**

N/A

**Explanation Of Corrosion:**

N/A

**Health Hazards Acute And Chronic:**

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