

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

ACGIHSTEL:
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

LD50LC50Mixture:
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 Symptions 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 RE SISTANT EQUIPMENT & MSHA/NIOSH APPROVEDRESPIRATOR

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:

Flash Point Text:
N/R

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
APPROPRIATE FOR SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:
N/K

Unusual Fire/Explosion Hazard:
CONCENTRATED NITRIC ACID, IS A STRONG OXIDIZER & ITS HEAT OF REACTION W/REDUCING AGENTS/COMBUSTIBLES MAY CAUSE IGNITION, REACT W/METALS & RELEASE HYDROGEN GAS.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
1

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
COMPLETE

Appearance and Odor:
TRANSPARENT W/AN ACRID 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:
COMBUSTIBLE ORGANIC/READILY OXIDIZABLE MATERIALS: ALCOHOL, WOOD, TURPENTINE, METAL POWDERS, HYDROGEN SULFIDE.

Hazardous Decomposition Products:
TOXIC HYDROGEN OXIDE FUMES &VAPORS, HYDROGEN GAS

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