

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-138/13826-66-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

13826-66-9

Code:

M

RTECS:

ZH7140000

Code:

M

Name:

ZIRCONIUM, ZIRCONYL NITRATE

Other REC Limits:

N/K

OSHA PEL:

10 MG/CUM

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

5 MG/CUM

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

WEAR MSHA/NIOSH APPROVED RESPIRATOR.

Ventilation:

EXHAUST: CHEMICAL FUME HOOD.

Protective Gloves:

CHEMICAL RESISTANT

Eye Protection:

CHEMICAL RESISTANT

Other Protective Equipment:

Equipment CHEMICAL RESISTANT CLOTHING, EYE WASH, &LAB COAT

Work Hygienic Practices:

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

Supplemental Safety and Health:

LD50 DATA IS FOR ZIRCONIUM COMPOUNDS. 3

Health Hazards Data

LD50LC50Mixture:

ORAL LD50 (RAT): 2,500 MG/KG (SEE SUPP)

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EYE: IRRITATION. SKIN: IRRITATION & PENETRATING BURNS. INHALATION: IRRITATION TO MUCOUS MEMBRANES & RESPIRATORY TRACT/BURNING SENSATION/COUGHING/WHEEZING/LARYNGITIS/BREATH SHORTNESS/HEADACHE/NAUSEA/VO MITING. INGESTION: HARMFUL/IMMEDIATE PAIN & BURNS TO MOUTH, ESOPHAGUS, & GASTROINTESTINAL TRACT.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

EYE: BURNS RESULTING IN PERMANENT DAMAGE/VISUAL IMPAIRMENT/CORROSIVE. SKIN: FATAL ABSORPTION/DEEP ULCERS/BRIGHT YELLOW OR YELLOWISH BROWN COLOR STAIN/CORROSIVE. INHALATION: FATAL CAUSING SPASM/INFLAMMATION & EDEMA OF LARYNX & BRONCHI/CHEMICAL PNEUMONITIS/PULMONARY EDEMA. INGESTION: EROSION OF EXPOSED TEETH.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

EYES/SKIN: FLUSH W/WATER FOR AT LEAST 15 MINS. INHALATION: REMOVE TO FRESH AIR. INGESTION: DON'T INDUCE VOMITING. SEND TO HOSPITAL. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

VENTILATE AREA. DILUTE W/WATER & NEUTRALIZE W/SODA ASH/LIMESTONE. WIPE UP & PUT INTO SEALED CONTAINER FOR PROPER DISPOSAL. WASH SITE OFF W/WATER AFTER MATERIAL PICK UP IS COMPLETE. WEAR PROTECTIVE EQUIPMENT.

Neutralizing Agent:

SODA ASH OR LIMESTONE

Waste Disposal Methods:

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

Handling And Storage Precautions:

AVOID INHALATION/INGESTION & CONTACT W/EYES & SKIN. KEEP TIGHTLY SEALED WHEN NOT IN USE. STORE AT ROOM TEMPERATURE.

Other Precautions:

CONCENTRATED NITRIC ACID WILL ATTACK SOME FORMS OF PLASTICS, RUBBER, & COATINGS.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/R

Autoignition Temp:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:

N/K

Unusual Fire/Explosion Hazard:

REACTION W/INCOMPATABLES MAY CAUSE IGNITION. STRONG BASES WILL CAUSE VIOLENT SPLATTERING. HIGH TEMPERATURES MAY CAUSE CONTAINERS TO BURST.

Physical/Chemical Properties

HCC:**NRC/State IC No:****Net Prop WT For Ammo:**

N/R

Boiling Point:

N/R

B.P. Text:

N/R

Melt/Freeze Pt:

N/R

N.P/F.P Text:

N/R

Decomp Temp:

N/R

Decomp Text:

N/R

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/R

Spec Gravity:

1

VOC Pounds/Gallon:

N/R

PH:

N/K

VOC Grams/Liter:

N/R

Viscosity:

N/P

Evaporation Rate & Reference:

N/R

Solubility in Water:

COMPLETE

Appearance and Odor:

TRANSPARENT W/AN ACRID ODOR.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/R

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

HIGH TEMPERATURES

Materials To Avoid:

REDUCING AGENTS, COMBUSTIBLE ORGANIC & READILY OXIDIZABLE MATERIALS, STRONG BASES, & METALS

Hazardous Decomposition Products:

FLAMMABLE HYDROGEN GAS, TOXIC NITROGEN OXIDE FUMES & VAPORS

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

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