

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-168/16871-71-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

16871-71-9

Code:

M

RTECS:

VV8754000

Code:

M

Name:

ZINC SILICOFLUORIDE (SARA 313) (CERCLA)

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

2.5 PPM (F)

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

2.5 MG (F)/M3; 9495

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED DUST RESPIRATOR MUST BE WORN. A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:

GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS (10 ROOM VOLUMES PER HOUR).

Protective Gloves:

RUBBER, PVC

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS/GOGGLES

Other Protective Equipment:

Equipment RUBBER BOOTS, RUBBER APRON, EYE WASH FOUNTAIN, SAFETY SHOWER

Work Hygienic Practices:

OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health:

PRODUCT CAN REACT VIOLENTLY WITH ACIDS OR WATER. NEVER ADD WATER TO PRODUCT. ALWAYS ADD PRODUCT SLOWLY TO WATER WHILE STIRRING.

Health Hazards Data

LD50/LC50/Mixture:

LD50 (ORAL, RAT) IS NOT KNOWN.

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE & CHRONIC- CORROSIVE. EYES/SKIN:CAUSES SEVERE IRRITATION & BURNS. MAY CAUSE SKIN DERMATITIS. INHALATION:EXCESSIVE MIST/DUST MAY CAUSE DAMAGE TO UPPER RESPIRATORY TRACT & EVEN TO LUNG TISSUE. INGESTION:CAN CAUSE SEVERE BURNS & TISSUE PERFORATION.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

SEVERE BURNS, IRRITATION, PAIN

Medical Cond Aggravated By Exposure:

PERSONS WITH PRE-EXISTING SKIN DISORDERS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

First Aid:

GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE. EYES/SKIN:FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. REMOVE CONTAMINATED CLOTHING. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNTS OF DILUTED 1% ACETIC ACID, VINEGAR 1:4 OR LEMON JUICE. FOLLOW WITH MILK.

Spill Release Procedures:

WEAR PROTECTIVE EQUIPMENTS. PICK UP AS MUCH AS POSSIBLE WITH SHOVEL. NEUTRALIZE BALANCE OF SPILL WITH MILD ACID SOLUTION AND ADD SAND, EARTH OR SUITABLE ABSORBENT. SWEEP UP ABSORBENT MATERIAL FOR LATER DISPOSAL.

Neutralizing Agent:

DILUTE INORGANIC ACID (SULFURIC, HYDROCHLORIC, PHOSPHORIC, NITRIC ACIDS).

Waste Disposal Methods:

3 DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:

STORE IN TIGHTLY CLOSED CONTAINER IN DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:

USE WITH ADEQUATE VENTILATION. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT GENERATE DUST. DO NOT BREATHE DUST, MIST OR FUMES. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING. CAUTION! EMPTY CONTAINER RETAINS RESIDUE.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

NONE

Autoignition Temp:

N/K

Autoignition Temp Text:

N/K

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER WITH CAUTION. REACTS WITH WATER.

Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:

DIRECT CONTACT WITH MOISTURE OR WATER CAN CAUSE VIOLENT EXOTHERMIC REACTION GENERATING SUFFICIENT HEAT TO IGNITE NEARBY COMBUSTIBLE MATERIALS.

Physical/Chemical Properties

HC:

B1

NRC/State IC No:

NOT RELEVANT

Net Prop WT For Ammo:

N/P

Boiling Point:

N/R

B.P. Text:

N/R

Melt/Freeze Pt:

N/R

M.P./F.P. Text:

UNKNOWN

Decomp Temp:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/P

Spec Gravity:

UNKNOWN

VOC Pounds/Gallon:

N/P

pH:

>12.5

VOC Grams/Liter:

N/P

Viscosity:

N/R

Evaporation Rate & Reference:

NOT RELEVANT

Solubility in Water:

40%

Appearance and Odor:

OFF WHITE POWDER

Percent Volatiles by Volume:

N/R

Corrosion Rate:

UNKNOWN

Reactivity Data

Stability Indicator:

YES

MOISTURE EXCESSIVE HEAT:

WATER, OXIDIZING AGENTS, STRONG ACIDS, ALUMINUM, TIN, ZINC ALLOYS OF THESE METALS

Materials To Avoid:

NONE KNOWN

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT RELEVANT

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:

N/P

<