

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-149/14940-68-2.html> for suppliers of this product.

## Composition/Information on Ingredient

### Cas:

14940-68-2

### Code:

M

### RTECS:

### Code:

X

### Name:

ZIRCONIUM SILICATE

### Other REC Limits:

NONE RECOMMENDED

### OSHA PEL:

UNKNOWN

### Code:

M

### OSHA STEL:

### Code:

### ACGIH TLV:

5 MG/M3

### Code:

M

### ACGIH STEL:

N/P

### Code:

## Control Measures

### Respiratory Protection:

7 USE NIOSH/MSHA APPROVED RESPIRATOR FOR WELDING FUMES OR SUPPLIED AIR RESPIRATOR IN CONFINED SPACES OR WHERE FUME CONCENTRATION EXCEEDS REGULATORY LIMITS.

### Ventilation:

USE MECHANICAL OR LOCAL EXHAUST OR BOTH TO MAINTAIN LEVELS OF FUMES BELOW REGULATORY LIMITS.

### Protective Gloves:

WELDERS WORK GLOVES

### Eye Protection:

WELDERS HELMET WITH CORRECT LENSES

### Other Protective Equipment:

Equipment CLOTHING TO PROTECT ENTIRE BODY FROM SPARKS.

### Work Hygienic Practices:

WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

### Supplemental Safety and Health:

N/R

## Health Hazards Data

### LD50/LC50 Mixture:

ORAL LD50 (RAT) IS UNKNOWN

### Route Of Entry Inds - Inhalation:

YES

### Skin:

NO

### Ingestion:

NO

### Carcinogenicity Inds - NTP:

NO

### IARC:

NO

### OSHA:

NO

### Health Hazards Acute And Chronic:

ACUTE: INHALATION OF WELDING FUMES MAY CAUSE NERVOUS SYSTEM AND MUSCLE IRREGULARITIES, IRRITATION OF EYES, NOSE, THROAT, AND RESPIRATORY SYSTEM, METAL FUME FEVER. CHRONIC: PROLONGED OR REPEATED INHALATION OF FUMES MAY CAUSE SIDEROSIS, FLUOROSIS AND AFFECT LUNG FUNCTION.

### Explanation Of Carcinogenicity:

NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

### Signs And Symptoms Of Overexposure:

INHALATION: NAUSEA, DIZZINESS, DRYNESS OF NOSE AND THROAT, COUGHING, WHEEZING AND SHORTNESS OF BREATH. EYES: REDNESS, TEARING, BLURRED VISION.

### Medical Cond Aggravated By Exposure:

NONE SPECIFIED BY MANUFACTURER.

### First Aid:

INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NEEDED. EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING. SEE DOCTOR. 6

### Spill Release Procedures:

PICK UP RODS. SWEEP UP OR MOP. PLACE RESIDUE IN A CONTAINER FOR DISPOSAL.

### Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

### Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

### Handling And Storage Precautions:

REMOVE ANY COMBUSTIBLES FROM WORK AREA: SPARKS OR WELDING ARC COULD IGNITE NEARBY COMBUSTIBLES.

### Other Precautions:

NONE SPECIFIED BY MANUFACTURER.

## Fire and Explosion Hazard Information

### Flash Point Method:

N/P

### Flash Point:

### Flash Point Text:

NOT APPLICABLE

### Autoignition Temp:

### Autoignition Temp Text:

N/A

### Lower Limits:

N/R

### Upper Limits:

N/R

### Extinguishing Media:

USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

### Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

### Unusual Fire/Explosion Hazard:

NON-FLAMMABLE; BUT SPARKS AND WELDING ARC MAY IGNITE COMBUSTIBLES DURING USE.

## Physical/Chemical Properties

### HCC:

N1

### NRC/State Lic No:

N/R

### Net Prop WT For Ammo:

### Boiling Point:

### B.P. Text:

UNKNOWN

### Melt/Freeze Pt:

### M.F./F.P. Text:

UNKNOWN

### Decomp Temp:

### Decomp Text:

UNKNOWN

### Vapor Pres:

UNKNOWN

### Vapor Density:

UNKNOWN

### Volatile Org Content %:

### Spec Gravity:

UNKNOWN 9

### VOC Pounds/Gallon:

### PH:

N/K

### VOC Grams/Liter:

### Viscosity:

N/R

### Evaporation Rate & Reference:

UNKNOWN

### Solubility in Water:

INSOLUBLE

### Appearance and Odor:

SOLID ROD

### Percent Volatiles by Volume:

N/K

### Corrosion Rate:

UNKNOWN

### Decomp Temp:

### Decomp Text:

UNKNOWN

### Vapor Pres:

UNKNOWN

### Vapor Density:

UNKNOWN

### Volatile Org Content %:

### Spec Gravity:

UNKNOWN 9

### VOC Pounds/Gallon:

### PH:

N/K

### VOC Grams/Liter:

### Viscosity:

UNKNOWN

### Evaporation Rate & Reference:

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### Solubility in Water:

INSOLUBLE

### Appearance and Odor:

SOLID ROD

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UNKNOWN

### Vapor Pres:

UNKNOWN

### Vapor Density:

UNKNOWN

### Volatile Org Content %:

### Spec Gravity:

UNKNOWN 9

### VOC Pounds/Gallon:

### PH:

N/K

### VOC Grams/Liter:

### Viscosity:

UNKNOWN

### Evaporation Rate & Reference:

UNKNOWN

### Solubility in Water:

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### Appearance and Odor:

SOLID ROD

### Percent Volatiles by Volume:

N/K

### Corrosion Rate:

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### Decomp Temp:

### Decomp Text:

UNKNOWN

### Vapor Pres:

UNKNOWN

### Vapor Density:

UNKNOWN

### Volatile Org Content %:

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UNKNOWN 9