

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-131/1315-09-9.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

1315-09-9

**Code:**

M

**RTECS:**

**Code:**

X

**Name:**

ZINC SELENIDE

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

USE OSHA APPROVED RESPIRATORY APPARATUS WITH FUME TYPE CARTRIDGE. IN CASE OF VAPOORIZATION: LEAVE ROOM AND ALLOW DUST TO SETTLE. CLEAN ALL SURFACES. IF ROOM HAS VENTILATION, ALLOW FOR SEVERAL AIR CHANGE S.

**Ventilation:**

LOCATE EXHAUST VENTILATION NEAR AREA OF ZINC SELENIDE PROCESSING OR USE EXHAUST IF PRODUCT FAILURE BY MELTING IS LIKELY.

**Protective Gloves:**

WEAR GLOVES FOR HANDLING BROKEN PIECES.

**Eye Protection:**

SAFETY GLASSES IF MACHINING, GRINDING, ETC

**Other Protective Equipment:**

Equipment NONE SPECIFIED BY MANUFACTURER.

**Work Hygienic Practices:**

WASH HANDS AND FACE AFTER HANDLING MATERIAL DURING MACHINING, GRINDING, POLISHING AND BEFORE EATING, DRINKING, SMOKING.

**Supplemental Safety and Health:**

N/P

## Health Hazards Data

**LD50/LC50 Mixture:**

NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**

NO

**Skin:**

NO

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

HEALTH HAZARDS FOR ZINC SELENIDE ARE NOT KNOWN, BUT SOME ZINC AND SELENIUM CAN BE FORMED, SUCH AS: ZINC OXIDE- CHILLS AND FEVER, SELENIUM AND COMPOUNDS- ACUTE EXPOSURE MIGHT PRODUCE STERNAL PAIN, COUGH, NAUSEA, PALLOR, COATED TONGUE, GI DISORDERS, NERVOUSNESS, CONJUNCTIVITIS. A GARLIC ODOR OF BREATH OR SWEAT MAY OCCUR.

**Explanation Of Carcinogenicity:**

N/P

**Signs And Symptoms Of Overexposure:**

HEALTH HAZARDS FOR ZINC SELENIDE ARE NOT KNOWN, BUT SOME ZINC AND SELENIUM CAN BE FORMED, SUCH AS ZINC OXIDE- CHILLS AND FEVER, SELENIUM AND COMPOUNDS- STERNAL PAIN, COUGH, NAUSEA, PALLOR, COATED TONGUE, GI DISORDERS, NERVOUSNESS, CONJUNCTIVITIS, GARLIC ODOR OF BREATH OR SWEAT.

**Medical Cond Aggravated By Exposure:**

3 NONE SPECIFIED BY MANUFACTURER.

**First Aid:**

WHEN PRODUCT IS IN DUST FORM. EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: WASH AREA WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

**Spill Release Procedures:**

IF PARTS ARE DROPPED OR OTHERWISE BROKEN, SWEEP UP PIECES WHICH MAY HAVE SHARP EDGES AS ONE WOULD CLEAN UP BROKEN GLASS AND SAFELY TRANSFER TO DISPOSAL CONTAINER. LARGE PIECES MAY HAVE SALVAGE VALUE.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

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

**Handling And Storage Precautions:**

IF MATERIAL MACHINED, GROUND OR POLISHED, PROCESSES SHOULD BE DONE WET SO AS TO MINIMIZE DUST WHICH COULD RESULT IN INHALATION.

**Other Precautions:**

GOOD WORK PRACTICES SUCH AS KEEPING HANDS CLEAN AND NOT LETTING SLURRY SPLASH SIGNIFICANTLY SHOULD BE FOLLOWED SO THAT TRANSFERRAL TO MOUTH BY CONTAMINATION ON THE HANDS OR CLOTHING FOLLOWED BY INGESTION WILL NOT OCCUR.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

**Flash Point Text:**

NOT FLAMMABLE

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. 4

**Fire Fighting Procedures:**

NONE SPECIFIED BY MANUFACTURER.

**Unusual Fire/Explosion Hazard:**

NOT FLAMMABLE AND NOT EXPLOSIVE.

## Physical/Chemical Properties

**HCC:**

N1

**NRC/State Lic No:**

N/R

**Net Prop WT For Ammo:**

5

**Boiling Point:**

N/R

**B.P. Text:**

SUBLIMES

**Melt / Freeze Pt:**

277F, 152C

**Decomp Temp:**

277F, 152C

**Decomp Text:**

N/R

**Vapor Pres:**

N/R

**Vapor Density:**

N/R

**Volatile Org Content %:**

N/R

**Spec Gravity:**

5.27

**VOC Pounds/Gallon:**

N/R

**PH:**

N/R

**VOC Grams/Liter:**

N/R

**Evaporation Rate & Reference:**

N/R

**Solubility in Water:**

INSOLUBLE

**Appearance and Odor:**

YELLOW TRANSPARENT SOLID, ODORLESS.

**Percent Volatiles by Volume:**

N/R

**Corrosion Rate:**

N/R

**Conditions To Avoid Polymers:**

WILL NOT OCCUR.

## 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

**Other Information:**