

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-145/14542-23-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
14542-23-5  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
FLUORSPAR

**Other REC Limits:**  
N/K

**OSHA PEL:**  
2.5MG/M\*3  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
2.5MG/M\*3  
**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
USE AIR-SUPPLIED RESPIRATOR IN CONFINED SPACES.

**Ventilation:**  
LOCAL EXHAUST REQUIRED. MECHANICAL (GENERAL),USE IF AVAILABLE.

**Protective Gloves:**  
WELDER'S GLOVES

**Eye Protection:**  
PROTECTIVE SHIELD AND LENS

**Other Protective Equipment:**  
Equipment SUBSTANTIAL DARK CLOTH,ARM PROTECTOR,HAT,APRON,SHOULDER PROTECTION.

**Work Hygienic Practices:**  
WASH THOROUGHLY AFTER HANDLING.

**Supplemental Safety and Health:**  
N/R

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
YES

**Health Hazards Acute And Chronic:**  
SEE SIGNS & SYMPTOMS OF OVEREXPOSURE.

**Explanation Of Carcinogenicity:**  
7 CHROMIUM VI IS A HUMAN CARCINOGEN. CHROMIUM III IS A SUSPECTED HUMAN CARCINOGEN.

**Signs And Symptions Of Overexposure:**  
FUMES MAY CONTRIBUTE TO TEMPORARY NAUSEA,DIZZINESS,HEADACHES,IF WORKING IN CONFINED AREA WITHOUT VENTILATION.

**Medical Cond Aggravated By Exposure:**  
AGGRAVATION OF PREEXISTING RESPIRATORY OR ALLERGIC CONDITIONS. HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG SMOKERS.

**First Aid:**  
REMOVE TO WELL VENTILATED AREA. OBTAIN MEDICAL ASSISTANCE IF NECESSARY.

**Spill Release Procedures:**  
CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
REFER TO ANSI Z49.1-1983-"SAFETY IN WELDING AND CUTTING".

**Other Precautions:**  
TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES. MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

## 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/R

**Upper Limits:**  
N/R 8

**Extinguishing Media:**  
APPROPRIATE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
N/R

**Unusual Fire/Explosion Hazard:**  
WELDING ARCS & SPARKS CAN IGNITE COMBUSTIBLE PRODUCTS.

## Physical/Chemical Properties

**HCC:**  
9 N1

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/R

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/R

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
N/R

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/R

**Solubility in Water:**  
N/R

**Appearance and Odor:**  
WELDING RODS 0.188 INCHES DIAMETER

**Percent Volatiles by Volume:**  
N/P

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/R

**Materials To Avoid:**  
N/R

**Hazardous Decomposition Products:**  
FUMES OF METALS METAL OXIDES,CO,CO\*2,NO\*2,O\*3,FLUORIDES.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## 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