

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-804/8049-17-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
8049-17-0

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
FERR0-SILICON

**Other REC Limits:**  
10MG/M<sup>3</sup>

**OSHA PEL:**  
NOT LISTED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

NOT LISTED

**Code:**  
M

**ACGIH STEL:**

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

### LD50/LC50 Mixture:

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 Symptoms 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:

N/R

### Autoignition Temp:

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:

N/P

### Boiling Point:

N/P

### B.P. Text:

N/R

### Melt/Freeze Pt:

N/R

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

N/R

### Decomp Temp:

N/A

### Decomp Text:

N/A

### Vapor Pres:

N/R

### Vapor Density:

N/R

### Volatile Org Content %:

N/A

### Spec Gravity:

N/R

### VOC Pounds/Gallon:

N/P

### PH:

N/P

### VOC Grams/Liter:

N/P

### 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

### 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

## 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<sub>2</sub>, NO<sub>2</sub>, O<sub>3</sub>, 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

## Other Information

### Other Information:

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<sub>2</sub>, NO<sub>2</sub>, O<sub>3</sub>, FLUORIDES.