

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-743/7439-89-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7439-89-6  
**Code:**  
M

**RTECS:**  
NO4565500  
**Code:**  
M

**Name:**  
IRON

**Other REC Limits:**  
N/R

**OSHA PEL:**  
N/R  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/R  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
USE RESPIRABLE FUME RESPIRATORY OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

**Ventilation:**  
USE ADEQUATE GENERAL VENTILATION & LOCAL EXHAUST AT THE ARC. 10

**Protective Gloves:**  
WELDER'S GLOVES

**Eye Protection:**  
HELMET/FACE SHEILD WITH FILTER LENS.

**Other Protective Equipment:**  
Equipment WEAR PROTECTIVE CLOTHING.

**Work Hygienic Practices:**  
N/P

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

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

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

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE:MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS,NAUSEA,DRYNESS OR IRRITATION OF NOSE,THROAT OR EYES,TIGHTNESS IN CHEST,FEVER & ALLERGIC REACTIONS. CHRONIC:MAY LEAD TO SIDEROSIS & IS BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION.

**Explanation Of Carcinogenicity:**  
CHROMIUM (CR+6) IS LISTED AS CARCINOGENIC.

**Signs And Symptoms Of Overexposure:**  
SEE "HEALTH HAZARDS".

**Medical Cond Aggravated By Exposure:**  
N/P

**First Aid:**  
REMOVE TO FRESH AIR,IF BREATHING IS DIFFICULT,ADMINISTER OXYGEN,IF BREATHING HAS SPED,APPLY ARTIFICIAL RESPIRATOR; GET MEDICAL HELP.

**Spill Release Procedures:**  
SWEEP UP OR SCOOP UP.

**Neutralizing Agent:**  
N/P 9

**Waste Disposal Methods:**  
DISCARD ANY PRODUCT RESIDUE,DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

**Handling And Storage Precautions:**  
USE EXHAUST SYSTEM TO CLEAR WELDING FUMES.

**Other Precautions:**  
N/P

## 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

**Extinguishing Media:**  
NONE

**Fire Fighting Procedures:**  
NONE

**Unusual Fire/Explosion Hazard:**  
WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES AND FLAMMABLES.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
N/K 11

**Appearance and Odor:**  
SOLID WIRE OR ROD

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

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE

**Materials To Avoid:**  
NONE

**Hazardous Decomposition Products:**  
DIFFICULT TO DETERMINE,VARIES GREATLY.

**Hazardous Polymerization Indicator:**  
NO

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

## 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

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