

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-7440-32-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7440-32-6

Code:

M

RTECS:

XR1700000

Code:

M 3

Name:

TITANIUM; CAS #7440-32-6; SEE SUPPL DATA FOR OTHE

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:**OSHA STEL:****Code:****ACGIH TLV:**

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

DURING WELDING, USE OSHA APPROVED RESPIRATOR.

Ventilation:

USE LOCAL EXHAUST WHEN DUST/FUMES ARE GENERATED

Protective Gloves:

AS REQUIRED

Eye Protection:

SAFETY GLASSES

Other Protective Equipment:

Equipment N/K

Work Hygienic Practices:

N/P

Supplemental Safety and Health:

MSDS FM MFR UNDATED; NIOSH 6: NO7400000, IRON, 2.0%; NIOSH 7: VW0400000, SILICON, 0.15%; NIOSH 8: OO0275000, MANGANESE, 0.10%, NIOSH 9: BD0330000, ALUMINUM, 1.5%; NIOSH 10: FF5250000, CARBON, 0.08%

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inds - Inhalation:

N/P

Skin:

N/P

Ingestion:

N/P

Carcinogenicity Inds - NTP:

N/P

IARC:

N/P

OSHA:

N/P

Health Hazards Acute And Chronic:

N/P

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

DUST/FUMES(WELDG): INH-NI, CO CAUSE RESP IRRIT, PNEUMONITIS; SKIN: ALLERGIC. CR DUST CAUSE LUNG DEFECTS.

Medical Cond Aggravated By Exposure:

N/P

First Aid:

REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEED. SKIN: WASH WITH SOAP & WATER. EYES: FLUSH WITH WATER 15 MIN. KEEP WARM AND QUIET ! 4

Spill Release Procedures:

COLLECT & CONTAINS SPILLED MATERIAL. REUSE IF POSSIBLE. IF NOT USEABLE, PLACE IN CLOSED CONTAINER FOR FURTHER DISPOSAL INSTRUCTIONS.

Neutralizing Agent:

N/P

Waste Disposal Methods:

KEEP IN COVERED DRUMS, PENDING DISPOSAL. HANDLE & DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE, & LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE. KEEP CONTAINERS CLOSED. MAINTAIN STANDARD HYGIENE FOR CHEM HANDLING.

Other Precautions:

NOT NOTED BY MFR

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NONE

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

DRY POWDER, DRY SAND, DRY DOLOMITE, DRY GRAPHITE

Fire Fighting Procedures:

WHEN MOLTEN METAL IS PRESENT, USE RESP WHEN FIGHTING FIRE.

Unusual Fire/Explosion Hazard:

NONE KNOWN

Physical/Chemical Properties

HCC:

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/A

Decomp Temp:**Decomp Text:**

N/A

Vapor Pres:

N/R

Vapor Density:

N/R 6

Volatile Org Content %:**Spec Gravity:**

N/K

VOC Pounds/Gallon:**PH:**

N/P

VOC Grams/Liter:**Viscosity:**

N/P

Evaporation Rate & Reference:

N/R

Solubility in Water:

NEGIGIBLE

Appearance and Odor:

SOLID, GREY COLOR

Percent Volatiles by Volume:

N/R

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Condition to Avoid:

None

Materials To Avoid:

NOT KNOWN

Hazardous Decomposition Products:

NONE

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

Physical/Chemical Properties

HCC:

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/A

Decomp Temp:**Decomp Text:**

N/A

Vapor Pres:

N/R

Vapor Density:

N/R 6

Volatile Org Content %:**Spec Gravity:**

N/K

VOC Pounds/Gallon:**PH:**

N/P

VOC Grams/Liter:**Viscosity:**

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N/R

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SOLID, GREY COLOR

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Reactivity Data

Stability Indicator:

YES

Stability Condition to Avoid: