

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744-7440-24-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7440-24-6

Code:

M

RTECS:

Code:

X

Name:

STRONTIUM

Other REC Limits:

MANUFACTURER - CAS

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

BE SURE TO USE A FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACES OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW THE PEL AND TLV LIMITS.

Ventilation:

USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC, OR BOTH, TO KEEP FUMES AND GASES FROM WORKER'S BREATHING ZONE.

Protective Gloves:

DRY WELDERS GLOVES

Eye Protection:

PROTECTIVE FACE SHIELD

Other Protective Equipment:

Equipment ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTORS, AS WELL AS DARK, SUBSTANTIAL CLOTHING.

Work Hygienic Practices:

NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:

WELDERS SHOULD BE TRAINED TO AVOID ELECTRIC SHOCK BY MAINTAINING A DRY WORK AREA, INSULATING THEMSELVES FROM THE WORKPLACE AND GROUND, AND NOT TOUCHING LIVE ELECTRICAL PARTS.

Health Hazards Data

LD50/LC50 Mixture:

NOT PROVIDED BY MANUFACTURER

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

BRONCHIAL ASTHMA, LUNG FIBROSIS, PNEUMONIA, SIDEROSIS, CANCER, ALLERGIC REACTIONS IN SOME PEOPLE, METAL FUME FEVER, PULMONARY IRRITANT, DERMATITIS, RESPIRATORY HYPERSENSITIVITY, CENTRAL NERVOUS SYSTEM EFFECTS.

Explanation Of Carcinogenicity:

NTP LISTS CHROMIUM AND CERTAIN CR COMPOUNDS AS KNOWN CARCINOGENS AND LISTS NICKEL AND SOME NI COMPOUNDS AS ANTICIPATED

Signs And Symptoms Of Overexposure:

METALLIC TASTE, NAUSEA, TIGHTNESS OF CHEST, FEVER, DIZZINESS, DRYNESS OR IRRITATION OF EYES, NOSE OR THROAT, COUGH, LOWER BACK PAIN, VOMITING, FATIGUE, HEADACHE, MUSCULAR WEAKNESS, TREMORS, SYMPTOMS SIMILAR TO PARKINSON'S DISEASE.

Medical Cond Aggravated By Exposure:

AGGRAVATION OF PREEXISTING RESPIRATORY ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

First Aid:

IN THE EVENT OF OVEREXPOSURE, REMOVE VICTIM FROM THE SELLING AREA, ADMINISTER FIRST AID AND OBTAIN PROMPT MEDICAL ATTENTION. IF THE VICTIM IS UNCONSCIOUS, ADMINISTER OXYGEN. IF THE VICTIM IS NOT BREATHING, BEGIN RESUSCITATION IMMEDIATELY. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

Spill Release Procedures:

NONE PROVIDED BY MANUFACTURER.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

DISPOSE OF FUME, FLUX AND WELD GRINDING RESIDUES FROM THE WORK AREA OR FROM FILTERS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:

NONE PROVIDED BY MANUFACTURER.

Other Precautions:

REMEMBER THE SHIELDING GASES USED WITH THE PRODUCT PROCESS CAN DISPLACE BREATHING AIR AND CAUSE ASPHYXIATION IN CONFINED WORK SPACES OR UNVENTILATED AREAS.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

UNKNOWN

Autoignition Temp:

YES

Autoignition Temp Text:

UNKNOWN

Lower Limits:

UNKNOWN

Upper Limits:

UNKNOWN

Extinguishing Media:

NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures:

6 AS SHIPPED PRODUCT IS NONFLAMMABLE AND NON-EXPLOSIVE. HOWEVER, WELDING ARCS AND SPARKS CAN IGNITE COMBUSTIBLES, AND CAN INITIATE FIRES AND EXPLOSIONS.

Unusual Fire/Explosion Hazard:

READ AND UNDERSTAND ANSI STANDARD Z49.1 "SAFETY IN WELDING AND CUTTING" AND NFPA STANDARD 51B "CUTTING AND WELDING PROCESSES" BEFORE USING PRODUCT.

Physical/Chemical Properties

HCC:

NI

NRC/State Lic No:

NONE

Net Prop WT For Ammo:

YES

Boiling Point:

UNKNOWN

B.P. Text:

UNKNOWN

Melt/Freeze Pt:

UNKNOWN

M.P/F.P Text:

UNKNOWN

Decomp Temp:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

UNKNOWN

Vapor Density:

UNKNOWN

Volatile Org Content %:

UNKNOWN

Spec Gravity:

7 - 9

VOC Pounds/Liter:

UNKNOWN

Viscosity:

UNKNOWN

Evaporation Rate & Reference:

UNKNOWN

Solubility in Water:

INSOLUBLE

Appearance and Odor:

METAL CORE RODS COATED WITH FLUX

Percent Volatiles by Volume:

N/KU

Corrosion Rate:

UNKNOWN

Health Hazards Acute And Chronic:

NONE SPECIFIED BY MANUFACTURER.

Reactivity Data:

AS SHIPPED THESE PRODUCTS ARE STABLE AND NON-REACTIVE; AND THEY ARE NOT CHEMICALLY HAZARDOUS.

Materials To Avoid:

NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:

COMPLEX OXIDE AND FLUORIDE COMBINATIONS OF ALL INGREDIENTS LISTED IN INGREDIENT SECTION AS WELL AS CO AND CO2.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NONE. HAZARDOUS POLYMERIZATION 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:

N/P