

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-131/1314-11-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

1314-11-0

Code:

M

RTECS:**Code:**

X

Name:

STRONTIUM OXIDE

Other REC Limits:

N/K

OSHA PEL:

NOT APPLICABLE

Code:

M

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

NOT APPLICABLE

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE NIOSH/MSHA APPROVED RESPIRABLE FUME RESPIRATOR OR SUPPLIED AIR RESPIRATOR WHEN WELDING IN CONFINED SPACES. MONITOR TOXIC GASES, FUMES.

Ventilation:

LOCAL EXHAUST AT ARC TO KEEP FUMES AND GASES FROM WORKER'S BREATHING ZONE AND THE GENERAL AREA.

Protective Gloves:

LEATHER WELDERS GLOVES (FP N)

Eye Protection:

HELMET/FACESHIELD W/SHADED LENS (FP N)

Other Protective Equipment:

Equipment WEAR HAND, HEAD, AND BODY PROTECTION. WEAR DARK SUBSTANTIAL CLOTHING. 9

Work Hygienic Practices:

NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:

AVOID ELECTRICAL SHOCK BY MAINTAINING A DRY WORK AREA; INSULATE WELDER FROM WORK AND GROUND AND TRAIN WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS.

Health Hazards Data

LD50/LC50 Mixture:

NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO 7

Health Hazards Acute And Chronic:

CHRONIC EXPOSURE TO WELDING FUMES AND THEIR ORIGINS CAN VARY GREATLY IN EFFECT AND LENGTH. GENERALLY, THESE RANGE FROM SIMPLE IRRITATION TO SEVERELY DEBILITATING CNS EFFECTS AS WELL AS LUNG FIBROSIS AND RESPIRATORY HYPERSENSITIVITY (FP N).

Explanation Of Carcinogenicity:

NICKEL: CLASS 1 (IARC), CLASS 2 (NTP)

Signs And Symptoms Of Overexposure:

INHAL: IRRITATION WITH DRY THROAT, COUGHING, CHEST TIGHTNESS, FATIGUE, VOMITING AND HEADACHE. SOME ALLERGIC RESPONSES MAY BE EXHIBITED BY EXPOSED EMPLOYEES.

Medical Cond Aggravated By Exposure:

PREEXISTING RESPIRATORY OR ALLERGIC CONDITIONS.

First Aid:

INHAL: REMOVE FROM EXPOSURE. IF VICTIM IS UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING, RESUSCITATE IMMEDIATELY. GET MD.

Spill Release Procedures:

NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

DISPOSE OF FUME OR FLUX OR WELDING GRINDING RESIDUES FROM THE WORK AREA OR FROM FILTERS IN ACCORDANCE WITH EPA OR LOCAL REGULATIONS.

Handling And Storage Precautions:

NONE SPECIFIED BY MANUFACTURER.

Other Precautions:

UTILIZE APPROPRIATE SHIELDS/SCREENS TO MINIMIZE UV RADIATION IN THE WORK PLACE DURING WELDING OPERATIONS (FP N). TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES. 8

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NOT APPLICABLE

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

USE MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).

Fire Fighting Procedures:

WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

THE WELDING ARC AND SPARKS (SPATTER/SLAG) CAN IGNITE COMBUSTIBLE AND FLAMMABLE MATERIALS.

Physical/Chemical Properties

HCC:**NRC/State IC No:****Net Prop WT For Ammo:****Boiling Point:****N.P. Text:****Melt/Freeze Pt:****N.P./F.P. Text:****Decomp Temp:****N/A****Decomp Text:**

N/A

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

NOT APPLICABLE

VOC Pounds/Gallon:

N/A

PH:

N/A

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

NOT APPLICABLE

Solubility in Water:

NOT APPLICABLE

Low Alloy Steel Arc Welding Electrode:**Percent Volatiles by Volume:**

N/A

Corrosion Rate:

N/A

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:

NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:

COMPLEX OXIDE AND FLUORIDE COMBINATIONS OF ALL ELECTRODE INGREDIENTS.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT RELEVANT

Toxicological Information

Information:

MSDS Transport Information

Information:

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

Physical/Chemical Properties

HCC:**NRC/State IC No:****Net Prop WT For Ammo:**

N/A

Boiling Point:

N/A

N.P. Text:

N/A

Melt/Freeze Pt:

N/A

N.P./F.P. Text:

N/A

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

NOT APPLICABLE

VOC Pounds/Gallon:

N/A

PH:

N/A

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

NOT APPLICABLE

Solubility in Water:

NOT APPLICABLE

Low Alloy Steel Arc Welding Electrode: