

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-09-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7440-09-7

Code:
M

RTECS:
TS6460000

Code:
M

Name:
POTASSIUM

Other REC Limits:
N/K

OSHA PEL:
NOT APPLICABLE

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT APPLICABLE

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
USE RESPIRABLE FUME RESP OR AIR-SUPPLIED RESP WHENWELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENT. DOES NOT KEEP EXPOSURE BELOW TLV/PEL. TRAIN EACH WELDER TO KEEP HEAD OUT OF FUMES.

Ventilation:
USE ENOUGH VENT, LOCAL EXHAUST AT THE ARC, OR BOTH,TO KEEP FUMES & GASES BELOW TLV/PEL IN WORKERS BREATHING ZONE.

Protective Gloves:
WELDERS GLOVES

Eye Protection:
HELMET OR FACE SHIELD W/FILTER LENS

Other Protective Equipment:
Equipment WEAR HEAD, HAND AND BODY PROTECTION TO HELP PREVENT INJURY FROM RADIATION, SPARKS ELECTRICAL SHOCK. SEE ANSI Z49.1.

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
WHEN ELECTRODE IS CONSUMED, FUME AND GAS DECOMP PRODS GENERATED ARE DIFF IN PERCENT AND FORM THAN THE INGREDIENTS. INGREDIENTS 2, 4, 6, 8 AND 15-26 COMPRISE FUME AND GAS DECOMP PRODS. FOR ADDNL INFO O N PROD, REFER TO ANSI 249.1, SAFETY IN WELDING AND CUTTING; AND 29 CFR 1910.

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
YES

Health Hazards Acute And Chronic:
ACUTE: DISCOMFORT-DIZZINESS, NAUSEA, DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. CHRONIC: SIDEROSIS (IRON PRODUCT IN LUNGS) AND BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION. ARC RAY S CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.

Explanation Of Carcinogenicity:
CHROMIUM AND NICKEL METALS & CMPDS ARE LISTED AS POTENTIAL CARCINOGENS BY NTP, IARC, & OSHA.

Signs And Symptions Of Overexposure:
SEE HEALTH HAZARDS

Medical Cond Aggravated By Exposure:
RESPIRATORY OR ALLERGIC CONDITIONS MAY AFFECT SOME EXPOSED INDIVIDUALS.

First Aid:
8 REMOVE FROM EXPOSURE AND GET MD. EMPLOY FIRST AID TECHNIQUE RECOMMENDED BY THE AMERICAN RED CROSS.

Spill Release Procedures:
NOT APPLICABLE

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
PREVENT WASTE FROM CONTAMINATING THE SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, I/A/W FED, STATE AND LOCAL REGS.

Handling And Storage Precautions:
NONE SPECIFIED BY MANUFACTURER.

Other Precautions:
NONE SPECIFIED BY MANUFACTURER.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/K

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
(NONFLAMMABLE)-WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES AND FLAMMABLES.

Fire Fighting Procedures:
REFER TO AMERICAN NATIONAL Z49.1 FOR FIRE PREVENTION DURING THE USE OF WELDING AND ALLIED PROCEDURES.

Unusual Fire/Explosion Hazard:
9 NONE SPECIFIED BY MANUFACTURER.

Physical/Chemical Properties

HCC:

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/K 10

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
N/K

Appearance and Odor:
WELDING CONSUMABLES-SOLID CORE WIRE AND A FLUX COATING.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
N/P

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:
CARBON DIOXIDE, CARBON MONOXIDE, DINITROGEN TETROXIDE, HYDROGEN FLUORIDE, NITRIC OXIDE, NITROGEN DIOXIDE, OZONE, CALCIUM

Hazardous Polymerization Indicator:
N/P

Conditions To Avoid Polymerization:
NONE SPECIFIED BY MANUFACTURER.

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