MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-778/7783-40-6.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
7783-40-6
Code:
M

RTECS:
OM3325000
Code:
M

Name:
MAGNESIUM FLUORIDE (COVERING) 6

Other REC Limits:
N/K

OSHA PEL:
2.5 MG/M3 (F)
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
2.5 MG/M3 (F)
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 COMSUMED, FUME AND GAS DECOMP PRODS GENERATED ARE DIFF IN PERCENT AND FORM THAN THE INGREDIENTS.

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:
NO

Health Hazards Acute And Chronic:
ACUTE: DISCOMFORT-DIZZINESS, NAUSEA, DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. CHRONIC: SIDEROSIS (IRON DEPOSITS IN LUNGS) AND BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION. ARC RA YS 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 SOMEEXPOSED INDIVIDUALS.

First Aid:
REMOVE FROM EXPOSURE AND GET MD. IF VICTIM IS UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING, RESUSCITATE IMMEDIATELY. EMPLOY FIRST AID TECHNIQUE RECOMMENDED BY THE AMERICAN RED CROSS. 7

Spill Release Procedures:
NOT APPLICABLE

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:
TRAIN WELDER TO AVOID ELEC SHOCK BY MAINTAINING A DRY WORK AREA,INSULATING HIMSELF FROM WORK AND GROUND,&NOT TOUCHING LIVE ELEC PARTS.AVOID BREATHING.

Other Precautions:
WELDING HAZS ARE COMPLEX.AVAIL ACCIDENT&HEALTH RECORDS SHOW THAT GREAT MAJORITY OF RECORDED PROBLEMS RESULT FROM PHYSICAL ACCIDENTS(SOMETIMES DUE TO ELEC SHOCK OR RESTRICTED VISIBILITY(MOBILITY),PHYSI CAL STRAINS,RAD BURNS SUCH AS EYE FLASH.

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:
8 MOLTEN METAL,SPKS,SLAG,&HOT SURFS CAN CAUSE FIRE OR EXPLO/PRECAUT MEASURES ARE NOT USED.DO NOT WELD IN SPACES CONTAINING FLAMM GASES,VAPORS,LIQUIDS OR DUSTS.

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 9

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 WITH WIRE AND A STEEL COATING.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:
FUMES:COMPLEX OXIDE AND FLUORIDE COMBINATIONS OF ALL ELECTRODE INGRED. GASES:NORMALLY LOW.

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

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