MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-137/13775-53-6.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
13775-53-6
Code:
M

RTECS:

Code:
X

Name:
SODIUM ALUMINUM FLUORIDE (AS F)

Other REC Limits:
N/K

OSHA PEL:
2.5 MG/M3
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
2.5 MG/M3
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE NIOSH/MSHA APPROVED WELD FUME OR AIR SUPPLIED RESPIRATOR WHEN CUTTING,GRINDING OR WELDING IN CONFINED SPACES OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENNED L IMITS.

Ventilation:
USE ENOUGH VENT WHEN CUTTING,GRINDING,OR WELDING TO KEEP DUST, FUMES, GASES FROM THE WORKERS BRTHG ZONE & GENERAL AREA.

Protective Gloves:
LEATHER WELDING GLOVES (FP N).

Eye Protection:
FILTER LENSE APPROP FOR EXPOSURE (FP N).

Other Protective Equipment:
Equipment FLAME RETARDANT CLOTHING. PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS.DO NOT EXPOSE SKIN TO RADIATION.

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
HAZ DECOM PROD:THE MATERIALS LISTED & MAY INCLUDE OXIDES OF THE METALS,CHROMATES,FLUORIDES & COMPLEX METALLICS.GASEOUS REACTION PRODUCTS MAY INCLUDE CARBON MONOXIDE,OZONE & NITROGEN OXIDES.CHLORINATED SOLVENTS MAY BE DECOMPOSED INTO TOXIC GASES SUCH AS PHOSGENE.EFTS OF OVEREXP:F.BROSIS,PNEUMOCONIOSIS & (SEE INGRED 39)

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:
ELEC ARC WELDING RAYS CAN INJURE EYES & BURN SKIN.DUST,FUMES,AND GASES CAN BE DANGEROUS TO YOUR HLTH.LUNG DMG MAY RESULT IN OVEREXP.ACUTE:SHORT TERM EXPO TO WELDING FUMES,GASES/DUST MAY RESULT IN DISC OMFORT SUCH AS DIZZINESS,NAUSEA,FEVER,DRYNESS&/OR IRRIT OF NOSE,THROAT,&EYES.SKIN SENSITIVITY MAY (SEE EFTS OF OVEREXP)

Explanation Of Carcinogenicity:
CR CLASS 1 (NTP)(IARC), NI CLASS 1(IARC), CLASS 2 (NTP).

Signs And Symptoms Of Overexposure:
HLTH HAZ:ALSO BE NOTED.ACUTE EXPO CAN RESULT IN THE SAME SYMP EXCEPT TO A GREATER DEGREE AS WELL AS WATERY EYES,HEADACHE,DFCLT BRTHG,FREQUENT COUGHING&/OR CHEST PAINS.SOME TOXIC GASES MAY CAUSE PULMON ARY EDEMA,ASPHYXIATION & EXCESSIVE EXPO CAN BE FATAL.CHRONIC EXPO MAY RESULT IN NEUROLOGICAL DAMAGE,LUNG(SEE SUPP DATA)

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
IN CASE OF ELECTRICAL SHOCK,TURN OFF POWER PRIOR TO REMOVAL FROM EXPO AREA & ADMINISTRATION OF FIRST AID.INHAL:REMOVE TO FRESH AIR.IF BRTHG DFCLT ADMINISTER OXYGEN.IF NOT BRTHG BEGIN ARTF RESP.IF NO D ETECTABLE PULSE BEGIN EXTERNAL HEART MASSAGE.GET MD.SKIN:WASH AFFECTED AREA W/SOAP AND WATER.GET MD.EYES:FLUSH WITH LARGE AMTS OF FRESH WATER FOR AT LEAST 15 MIN. GET MD. INGEST: GET MD. 8

Spill Release Procedures:
CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN FULL COMPLIANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:
AVOID INHALATION AND SKIN EXPOSURE.

Other Precautions:
NONE SPECIFIED BY MANUFACTURER.

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:
SUITABLE FOR SURROUNDING FIRE (FP N).

Fire Fighting Procedures:
WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:
NONFLAMMABLE; HOWEVER, ARCS, SPARKS AND MOLTEN METAL CAN IGNITE FLAMMABLES AND COMBUSTIBLES OR CAUSE EXPLOSIONS.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

M.P/F.P Text:
N/A

Decomp Temp:

Decomp Text:
N/A 10

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
N/A

VOC Pounds/Gallon:

PH: N/A

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT APPLICABLE

Solubility in Water:
NOT APPLICABLE

Appearance and Odor:
COVERED WELDING ELECTRODES ARE SOLID WIRE WITH A FLUX COATING.

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:
FROM THE WELDING/CUTTING OPERATIONS INCLUDE THOSE FROM THE VOLATILIZATION,REACTION,AND/OR OXIDATION OF (SEE SUPP DATA)

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT

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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