

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-775/7758-05-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7758-05-6

Code:

M

RTECS:

Code:

X

Name:

POTASSIUM IODATE

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

1

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

FOR CONDITIONS OF USE WHERE EXPOSURE TO DUST IS APPARENT, A DUST/MIST RESPIRATOR MAY BE WORN. FOR EMERGENCIES, A SELF-CONTAINED BREATHING APPARATUS MAY BE NECESSARY.

Ventilation:

LOCAL EXHAUST SYSTEM.

Protective Gloves:

IMPERVIOUS GLOVES.

Eye Protection:

CHEMICAL SAFETY GLASSES.

Other Protective Equipment:

Equipment CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING W/MATERIAL. EYE WASH FOUNTAIN & QUICK-DRENCH FACILITIES IN WORK AREA.

Work Hygienic Practices:

WASH HANDS THOROUGHLY AFTER USE.

Supplemental Safety and Health:

N/P

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inh - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inh - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE: INHAL: RESPIRATORY TRACT IRRITANT. INGEST: MAY CAUSE GASTROINTESTINAL UPSET. SKIN: IRRITANT. EYE: NO ADVERSE EFFECTS EXPECTED BUT DUST MAY CAUSE MECHANICAL IRRITATION. CHRONIC: REPEATED INGESTIONS MAY CAUSE KIDNEY DISFUNCTION OR FAILURE & BLOOD CONDITIONS SUCH AS HEMOLYSIS. CNS MAY BE AFFECTED.

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

INHAL: COUGHING, SHORTNESS OF BREATH. INGEST: ABDOMINAL PAIN, VOMITING, DIARRHEA. SKIN: REDDENING, SWELLING, ITCHING. ANIMAL EXPERIMENTS SUGGEST A POTENTIAL FOR KIDNEY & BLOOD CELL DAMAGE, SIMILAR TO THAT OF THE BROMATES & CHLORATE WHEN INGESTED.

Medical Cond Aggravated By Exposure:

IMPAIRED LIVER OR KIDNEY FUNCTION.

First Aid:

INHAL: REMOVE TO FRESH AIR. SEE DOCTOR FOR ANY BREATHING DIFFICULTY. INGEST: INDUCE VOMITING IMMEDIATELY BY GIVING 2 GLASSES OF WATER & STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SKIN: WASH W/SOAP & WATER. EYE: WASH W/RUNNING WATER. IN ALL CASES SEE DOCTOR.

Spill Release Procedures:

COVER SPILL W/FERROUS SULFATE OR SODIUM SULFITE & MOISTEN W/DILUTED SULFURIC ACID TO FORM A REDUCING SLURRY. COLLECT & NEUTRALIZE EXCESS ACID W/SODA ASH. FLUSH AREA W/LG AMTS OF WATER. TREATED WASTE MAY BE FLUSHED TO SEWER W/WATER BY APPROVAL OF FACILITY.

Neutralizing Agent:

N/P

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE WITH FEDERAL/STATE/LOCAL REGULATIONS. TREATED WASTE MAY BE DISCHARGED TO SEWER W/WATER BY APPROVAL OF LOCAL SEWER AUTHORITY OR SENT TO APPROVED WASTE DISPOSAL FACILITY.

Handling And Storage Precautions:

KEEP IN TIGHTLY CLOSED CONTAINER. STORE IN COOL, DRY, VENTILATED AREA AWAY FROM SOURCES OF HEAT, MOISTURE, & INCOMPATIBLE SUBSTANCES.

Other Precautions:

PROTECT CONTAINER FROM PHYSICAL DAMAGE.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

N/A

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

USE ANY MEANS SUITABLE FOR EXTINGUISHING SURROUNDING FIRE.

Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING & FACEPIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINER COOL.

Unusual Fire/Explosion Hazard:

NOT COMBUSTIBLE BUT ENHANCES THE COMBUSTION OF OTHER SUBSTANCES. CAN RELEASE GASEOUS OXYGEN WHEN HEATED. MAY EXPLODE WHEN EXPOSED TO MECHANICAL SHOCK OR FRICTION.

Physical/Chemical Properties

HCC:

D1

NRC/State IC No:

N/A

Net Prop WT For Ammo:

3

Boiling Point:

N/A

B.P. Text:

N/A

Melt/Freeze Pt:

N/A

M.P./F.P. Text:

1040F, 560C

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

NONE SPEC.

Vapor Density:

NONE SPEC.

Volatile Org Content %:

N/A

Spec Gravity:

3.89

VOC Pounds/gallon:

N/A

PH:

N/P

VOC Grams/liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

NONE SPECIFIED BY MANUFACTURER.

Solubility in Water:

80G/100G WATER

Percent Volatiles by Volume:

N/P

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

STRONG OXIDIZING CHARACTERISTICS APPEAR WHEN MIXED WITH ACID SOLUTIONS.

Materials To Avoid:

REACTS VIOLENTLY W/COMBUSTIBLE & REDUCING MATERIALS; ALUMINUM, ORGANIC COMPOUNDS, CARBON, HYDROGEN PEROXIDE, SULFIDES.

Hazardous Decomposition Products:

OXIDES OF IODINE AND POTASSIUM.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/A

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