

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-381/3811-04-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

3811-04-9

Code:

T

RTECS:

FO0350000

Code:

T

Name:

POTASSIUM CHLORATE

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:

OSHA STEL:

N/P

Code:

1

ACGIH TLV:

N/P

Code:

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR. AVOID BREATHING DUST.

Ventilation:

USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves:

CHEMICAL RESISTANT GLOVES.

Eye Protection:

SAFETY GOGGLES.

Other Protective Equipment:

Equipment WEAR PROTECTIVE CLOTHING. SAFETY SHOWER AND EYE BATH.

Work Hygienic Practices:

WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:

AVOID PROLONGED OR REPEATED EXPOSURE. IRRITANT.

Health Hazards Data

LD50/LC50 Mixture:

ORAL-RAT LD50 IS 1870 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

YES

Carcinogenicity Inds - NTP:

N/P

IARC:

N/P

OSHA:

N/P

Health Hazards Acute And Chronic:

ACUTE EFFECTS: ANEMIA. ABSORPTION INTO THE BODY LEADS TO THE FORMATION OF METHEMOGLOBIN WHICH IN SUFFICIENT CONCENTRATION CAUSES CYANOSIS. ONSET MAY DELAYED 2-4 HOURS OR LONGER. METHEMOGLOBIN FORMATION RESULTS FROM CATALYTIC OXIDATION OF THE BLOOD. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. MATERIAL IS IRRITATION TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. HARMFUL BY INHALATION AND IF SWALLOWED. IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. TARGET ORGANS: BLOOD, LIVER.

Explanation Of Carcinogenicity:

NO DATA PROVIDED BY RESPONSIBLE PARTY.

Signs And Symptoms Of Overexposure:

IRRITATION, ANEMIA (HEMOLYTIC), METHEMOGLOBIN, CYANOSIS, NAUSEA, VOMITING, ABDOMINAL PAIN, DIARRHEA, HEMORRHAGE, ANURIA, DAMAGE TO THE LIVER, CONVULSIONS DUE TO CENTRAL NERVOUS SYSTEM EFFECTS, AND COMA ,

Medical Cond Aggravated By Exposure:

NO DATA PROVIDED BY RESPONSIBLE PARTY.

First Aid:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

Spill Release Procedures:

EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.

Neutralizing Agent:

NO DATA PROVIDED BY RESPONSIBLE PARTY.

Waste Disposal Methods:

CAUTIOUSLY ACIDIFY A 3% SOLUTION OR A SUSPENSION OF THE MATERIAL TO PH2 WITH SULFURIC ACID. GRADUALLY ADD A 50% EXCESS OF AQUEOUS SODIUM BISULFITE WITH STIRRING AT ROOM TEMPERATURE. AN INCREASE IN TEMPERATURE INDICATES THAT A REACTION IS TAKING PLACE.

Handling And Storage Precautions:

KEEP TIGHTLY CLOSED. KEEP AWAY FROM COMBUSTIBLE MATERIALS, HEAT, SPARKS, AND OPEN FLAME. STORE IN A COOL DRY PLACE.

Other Precautions:

WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, OTHER PROTECTIVE CLOTHING. USE ONLY IN A CHEMICAL FUME HOOD. AVOID BREATHING DUST. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

N/P

Autoignition Temp:

Autoignition Temp Text:

N/P

Lower Limits:

N/P

Upper Limits:

N/P

Extinguishing Media:

NO DATA PROVIDED BY RESPONSIBLE PARTY.

Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:

MAY EXPLODE WHEN HEATED. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Physical/Chemical Properties

HCC:

D1

NRC/State IIC No:

N/R 3

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

N/P

Melt/Freeze Pt:

=356 C, 672.8 F

M.P./F.P. Text:

Decomp Temp:

Vapor Pres:

N/P

Vapor Density:

N/P

Volatile Org Content %:

Specific Gravity:

2.320

VOC Pounds/Gallon:

PH:

N/P

PH:

N/P

VOC Grams/Liter:

Viscosity:

N/P

N/P:

Evaporation Rate & Reference:

N/P

Solubility in Water:

N/P

Appearance and Odor:

WHITE CRYSTALLINE POWDER; NO ODOR SPECIFIED.

Percent Volatiles by Volume:

N/P

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

N/P

No DATA PROVIDED BY RESPONSIBLE PARTY.

Materials To Avoid:

STRONG REDUCING AGENTS, FINELY POWDERED METALS, STRONG ACIDS, ALCOHOLS, ORGANIC MATERIALS.

Hazardous Decomposition Products:

Hazardous Polymerization Indicator:

N/P

Conditions To Avoid Polymerization:

NO DATA PROVIDED BY RESPONSIBLE PARTY.

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

Other Information

Other Information:

N/P

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