

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-775/7758-09-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7758-09-0
Code:
M

RTECS:
TT3750000
Code:
M

Name:
POTASSIUM NITRITE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:
1

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE NIOSH/MSHA-APPROVED RESPIRATOR WITH DUST CARTRIDGE IF TLV IS EXCEEDED.

Ventilation:
LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:
BUTYL RUBBER

Eye Protection:
CHEMICAL SPLASH GOGGLES

Other Protective Equipment:
EquipmentPROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING. DO NOT SHAKE CLOTHING. REMOVE DUST BY WASHING OR VACUUMING.

Supplemental Safety and Health:
OXIDIZER--POISON.MONITOR ANY CLEAN UP WITH A CO*2 FIRE EXTINGUISHER.WATER CAN BE USED IN THE FINAL CLEAN UP.

Health Hazards Data

LD50LC50Mixture:
LD50 ORAL RABBIT IS 235 MG/KG

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.LARGE AMOUNTS MAY BE FATAL.INHAL:MAY CAUSE RESPIRATORY IRRITATION AND SYSTEMIC EFFECTS.

Explanation Of Carcinogenicity:
LABORATORY TESTS INDICATE THAT THIS MATERIAL MAY CAUSE MUTATIONS AND BIRTH DEFECTS.

Signs And Symptoms Of Overexposure:
INGEST:NAUSEA,VOMITING,UNCONSCIOUSNESS.SMALL AMOUNTS ARE USED AS A PRESERVATIVE IN FOOD;LARGE AMOUNTS MAY BE FATAL.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET PROMPT QUALIFIED ME DICAL ATTENTION.IF CONSCIOUS,INDUCE VOMITING IMMEDIATELY,BY GIVING 2-4 GLASSES OF WATER AND STICKING FINGER DOWN THROAT.

Spill Release Procedures:
VENTILATE. CLEAN UP USING METHODS THAT AVOID DUST GENERATION SUCH AS VACUUM, WET DUST MOP OR WET CLEAN UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER. IF DUST IS GENERATED USE NIOSH/MSHA APPR OVED RESPIRATOR WITH DUST CARTRIDGE.CLEAN AREA.

Neutralizing Agent:
NOT APPLICABLE

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.RCRA CODE IS D001(IGNITABLE).

Handling And Storage Precautions:
STORE IN COOL, DRY, WELL VENTILATED AREA. STORE AWAY FROM ORGANIC MATERIALS AND WOODEN FLOORS. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:
AVOID SKIN AND EYE CONTACT.DO NOT INHALE DUST.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
USE WATER SPRAY.

Fire Fighting Procedures:
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:
EXPLODES AT 1000F.STRONG OXIDIZER.CONTACT WITH COMBUSTIBLE MATERIALS OR POWDERED METALS CAN CAUSE FIRE OR EXPLOSION.DECOMPOSITION FUMES ARE IRRITATING AND TOXIC

Physical/Chemical Properties

HCC:
D1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/R

Melt/Freeze Pt:

M.P/F.P Text:
826F,441C 3

Decomp Temp:

Decomp Text:
662F,350C

Vapor Pres:
N/R

Vapor Density:
2.9

Volatile Org Content %:

Spec Gravity:
1.92

VOC Pounds/Gallon:

PH: <7

VOC Grams/Liter:

Viscosity:
N/R

Evaporation Rate & Reference:
NEGLEGIBLE

Solubility in Water:
APPRECIABLE,74%

Appearance and Odor:
CRYSTALS;WHITE TO YELLOW;ODORLESS.

Percent Volatiles by Volume:
N/R

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HEAT(ABOVE 662F), SHOCK, FLAMES.

Materials To Avoid:
AVOID ORGANIC MATERIALS,COMBUSTIBLES,REDUCING AGENTS,STRONG ACIDS,CYANIDES,THIOSULFATES,AMMONIUM SALTS.

Hazardous Decomposition Products:
NITROGEN OXIDES,CAUSTIC RESIDUE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

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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