

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-122/12232-99-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
12232-99-4
Code:
M

RTECS:
VZ1750000
Code:
M

Name:
SODIUM BISMUTHATE

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:
NONE NORMALLY REQUIRED. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR DUST MASK.

Ventilation:
LOCAL

Protective Gloves:
RUBBER

Eye Protection:
DUST-RESITANT SAFETY GOGGLES

Other Protective Equipment:
Equipment EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING AND/OR UNIFORM

Work Hygienic Practices:
OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL RAT) IS 720 MG/KG.

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- EYE/SKIN/INHALATION:MAY BE IRRITATING. ORAL:MAY CAUSE IRRITATION OF GI TRACT, FOUL BREATH, METALLIC TASTE, ANEREXIA, DIARRHEA, HEADACHE, ABDOM INAL PAIN, ALBUMINURIA. HARMFUL IF INGESTED. CHRONIC- MAY CAUSE ENCEPHALOPATHY.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
EYES, SKIN, RESPIRATORY AND DIGESTIVE TRACTS IRRITATION, FOUL BREATH, METALLIC TASTE, DIARRHEA, HEADACHE, NAUSEA, ABDOMINAL PAIN

Medical Cond Aggravated By Exposure:
UNKNOWN

First Aid:
GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYE/SKIN:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. ORAL:DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY. TRE AT SYMPTOMATICALLY & SUPPORTIVELY. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS.

Spill Release Procedures:
SWEEP UP AND PLACE IN APPROPRIATE CLEAN, DRY CONTAINERS FOR LATER RECOVERY OR DISPOSAL. VENTILATE AREA. DO NOT FLUSH WITH WATER. AVOID GENERATING DUST.

Neutralizing Agent:
NOT RELEVANT

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:
STORE IN DRY PLACE AWAY FROM MOISTURE AND ACIDS. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:
DO NOT RAISE DUST. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID INHALATION OF DUST. WASH THOROUGHLY AFTER HANDLING MATERIAL. KEEP OUT OF REACH OF CHILDREN. DO NOT DIGEST.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
WATER SPRAY, CARBON DIOXIDE , ALCOHOL FOAM. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:
WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. KEEP UPWIND.

Unusual Fire/Explosion Hazard:
UNKNOWN

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
NOT RELEVANT

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/R

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN 3

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
UNKNOWN

VOC Pounds/Gallon:

PH: N/R

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT RELEVANT

Solubility in Water:
INSOLUBLE

Appearance and Odor:
YELLOW TO YELLOWISH-BROWN POWDER, SOMEWHAT HYGROSCOPIC

Percent Volatiles by Volume:
N/R

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH TEMPERATURES, MOISTURE

Materials To Avoid:
ACIDS, HOT WATER

Hazardous Decomposition Products:
TOXIC FUMES OF BISMUTH AND SODIUM OXIDE

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