

# 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

**ACGIH STEL:**

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-RESISTANT 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

**LD50/LC50 Mixture:**

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, ANOREXIA, DIARRHEA, HEADACHE, ABDOMINAL PAIN, ALBUMINURIA. HARMFUL IF INGESTED. CHRONIC- MAY CAUSE ENCEPHALOPATHY.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms 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. TREAT 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:**

N/A

**Flash Point Text:**

NONE

**Autoignition Temp:**

N/A

**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:**

N/A

**Boiling Point:**

N/A

**B.P. Text:**

N/A

**Melt/Freeze Pt:**

N/A

**M.P./F.P. Text:**

UNKNOWN

**Decomp Temp:**

N/A

**Decomp Text:**

UNKNOWN

**Vapor Pres:**

N/R

**Vapor Density:**

N/R

**Volatile Org Content %:**

N/A

**Spec Gravity:**

UNKNOWN

**VOC Pounds/Gallon:**

N/A

**PH:**

N/R

**VOC Grams/Liter:**

N/A

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

NOT RELEVANT

**Solubility in Water:**

INSOLUBLE

**Appearance and Odor:**

YELLOW TO YELLOWISH-BROWN POWDER, SOMEWHAT HYDROSCOPIC

**Percent Volatiles by Volume:**

N/R

**Corrosion Rate:**

UNKNOWN

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## 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:**

N/P

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