



# SAFETY DATA SHEET

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## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Bismuth (III) acetate**

PRODUCT NO: 1238

CAS NO: 22306-37-2

SYNONYMS: Acetic acid, bismuth salt, Acetic acid bismuth (III) salt

### MANUFACTURER:

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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance according to the GHS

### HMIS CLASSIFICATION:

Health: 0 Flammability: 0 Reactivity: 0

### NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

**EYE CONTACT:** May cause slight to mild irritation of the eyes.

**SKIN CONTACT:** May cause slight to mild irritation of the skin.

**INHALATION:** This material is a fine powder. Irritating to the nose, mucous membranes and respiratory tract.

**INGESTION:** No specific information is available on the physiological effects of ingestion. May cause vomiting and diarrhea.

**CHRONIC HEALTH EFFECTS:** No information available on long-term chronic effects.

**ACUTE HEALTH EFFECTS:** Irritating to skin, eyes and respiratory tract.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $\text{Bi}(\text{OOCCH}_3)_3$

Molecular Weight: 386.12

CHEMICAL NAME	CAS#	%
Bismuth (III) acetate	22306-37-2	100

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTO IGNITION TEMPERATURE:** None

**EXPLOSION LIMITS:** Not applicable

**EXTINGUISHING MEDIUM:** Carbon dioxide, foam or dry powder.

**SPECIAL FIRE FIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** If involved in a fire this material may emit toxic organic fumes.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** No unusual fire or explosion hazards.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Avoid dust formation. Avoid breathing vapors, mist, or gas.

**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Small spills can be mixed vermiculite or sodium carbonate and swept up.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Have appropriate exhaust and ventilation. Keep away from heat and direct sunlight.

**CONDITIONS FOR SAFE STORAGE:** Store material in a tightly sealed container.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses with side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.

**SKIN PROTECTION:** Chemical-resistant gloves.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** white solid

**MELTING POINT:** Not available

**BOILING POINT:** Not available

**MOLECULAR WEIGHT:** 386.12

**ODOR:** Slight acetic acid odor

**SPECIFIC GRAVITY (WATER=1):** Not available

**VAPOR PRESSURE:** Not available

**VAPOR DENSITY (AIR = 1):** Not available

**SOLUBILITY IN WATER:** Insoluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Moisture sensitive solid.

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization.

**CONDITIONS TO AVOID:** None

**INCOMPATIBILITY:** Oxidizing agents

**DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, organic fumes, and bismuth salts

## SECTION 11 TOXICOLOGICAL DATA

**RTECS DATA:** No specific information available on this product.

**CARCINOGENIC EFFECTS:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

**MUTAGENIC EFFECTS:** No data

**TETRATOGENIC EFFECTS:** No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## SECTION 12 ECOLOGICAL DATA

No information available

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

## SECTION 14 TRANSPORTATION DATA

Not a dangerous good

## SECTION 15 REGULATORY INFORMATION

**TSCA:** Not listed in the TSCA inventory

**OSHA HAZARDS:** None known

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA (TITLE 313):** Not reportable under SARA Title 313.

**SARA 311/312 HAZARD:** None known

**MASSACHUSETTS RIGHT TO KNOW COMPONENTS:** None known

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS:** Bismuth (III) acetate

**NEW JERSEY RIGHT TO KNOW COMPONENTS:** Bismuth (III) acetate

**CALIFORNIA PROP. 65 COMPONENTS:** There are no chemicals in this product that are known to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16 OTHER INFORMATION

**DISCLAIMER:** The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE UPDATED:07/21

SDS DEPT.