

SAFETY DATA SHEET

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ProChem inc.

SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Bismuth (III) acetate**
PRODUCT NO: 1237
CAS NO: 22306-37-2
SYNONYMS: Acetic acid, bismuth salt, Acetic acid bismuth (III) salt

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Skin corrosion / irritation.	Category – 2
Eye irritation.	Category – 2 / 2A

Not a dangerous substance according to the GHS

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $Bi(OOCCH_3)_3$
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 CONTACT: May cause slight to mild irritation of the eyes.
EYE PROTECTION: Always wear approved safety glasses with side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.

SKIN CONTACT: May cause slight to mild irritation of the skin. In case of skin contact: take off immediately all contaminated clothing.
SKIN PROTECTION: Chemical-resistant gloves. Nitrile with no less then 11 mm thickness

INHALATION: This material is a fine powder. Fresh Air. Irritating to the nose, mucous membranes and respiratory tract.
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 follow OSHA 29 CFR 19-10.134.

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

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

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 COMPONENETS: 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

HMIS CLASSIFICATION:
Health: 0 Flammability: 0 Reactivity: 0

NFPA RATING:
Health: 0 Fire: 0 Reactivity Hazard: 0

SECTION 16 OTHER INFORMATION (Cont.)

CAS #: Chemical Abstracts Service Number
OSHA: Occupational Safety and Health Administration
TSCA: Toxic Substances Control Act
SARA: Superfund Amendments and Reauthorization Act
HMIS: Hazardous Materials Identification System
NFPA: National Fire Protection Association

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 PREVIOUSLY UPDATED: 07/21
DATE REVISED 07/26
REVISION SUMMARY: Removed Fax number. Updated section # 2. We decided to keep categories, as this product may cause skin and eye irritation. Updated section # 16 abbreviations. All other details in this document about the product remained unchanged.
Updated by EHS: 7/15/26

EHS/SDS DEPT.