



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Aluminum bromide**

PRODUCT NUMBER: 1009

CAS NUMBER: 7727-15-3

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

Precautionary Phrases

P260	DO not breath dust/fume/gas/mist/vapors/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P311	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

POTENTIAL HEALTH EFFECTS: Inhalation, skin, eyes, and ingestion.

EYE CONTACT: Causes eye burns

SKIN CONTACT: Harmful if absorbed through skin. Causes skin burns.

INHALATION: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

INGESTION: Harmful if swallowed.

HMIS RATING:

Health: 3 Flammability: 0 Reactivity: 0

NFPA RATING:

Health: 3 Flammability: 0 Reactivity: 0

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: AlBr_3

Molecular Weight: 266.69

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Aluminum bromide	7727-15-3	100	.5 mg/m ³	.5 mg/m ³

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN EXPOSURE: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband. Rinse mouth with water.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Carbon dioxide, dry chemical, chemical foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus for fire fighting if necessary.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen bromide gas, aluminum oxide

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear appropriate protective equipment. Ensure adequate ventilation. Avoid dust formation.

ENVIRONMENTAL PRECAUTIONS: Prevent entry into sewers, basements, or confined areas.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Stop leak if without risk. Do not get water inside container. Do not touch spilled material.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep container dry. Do not ingest. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container of the label. Avoid contact with skin and eyes. Keep away from incompatibles such as acids and moisture.

CONDITIONS FOR SAFE STORAGE: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Splash goggles. Face shield.

SKIN PROTECTION: Complete suit that is chemical resistant and flame retardant. Nitrile rubber gloves.

VENTILATION: Chemical fume hood.

RESPIRATOR: A self-contained breathing apparatus should be used to avoid inhalation of the product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White or yellowish solid

MOLECULAR WEIGHT: 266.69

MELTING POINT: 97.5° C

SPECIFIC GRAVITY: 3.205 gm/ml

BOILING POINT: 265° C

VAPOR PRESSURE: Not determined

SOLUBILITY IN WATER: Soluble in methanol. Partially soluble in water, methanol, diethyl ether, and acetone.

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Reacts violently with water

INCOMPATIBILITY: Extremely reactive or incompatible with moisture. Reactive with acids, strong oxidizing agents, alcohols

DECOMPOSITION PRODUCTS: Hydrogen bromide gas, aluminum oxide

SECTION 11 TOXICOLOGICAL DATA

TOXICITY TO ANIMALS: Acute oral toxicity (LD50): 1598 mg/kg [Rat]

CARCINOGENIC EFFECTS: No data

TETRATOGENIC EFFECTS: No data

RTECS# BD0350000

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

SECTION 12 ECOLOGICAL DATA

Possibly hazardous short term degradation products are not likely. However, long-term degradation products may arise. The products of degradation are less toxic than the product itself.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14 TRANSPORTATION DATA

Aluminum Bromide, anhydrous

CLASS 8

UN1725

PG II

SECTION 15 REGULATORY INFORMATION

OSHA HAZARDS: Harmful by ingestion, corrosive

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

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 HAZARDS: Acute health hazard

MASSACHUSETTS RIGHT TO KNOW: No components are subject to the Massachusetts Right to Know Act.

PENNSYLVANIA RIGHT TO KNOW: Aluminum bromide CAS#7727-15-3

NEW JERSEY RIGHT TO KNOW: Aluminum bromide CAS#7727-15-3

CALIFORNIA PROP. 65 COMPONENTS: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

MINNESOTA: Aluminum Bromide, anhydrous

MASSACHUSETTS RTK: Aluminum Bromide, anhydrous

NEW JERSEY: Aluminum Bromide, anhydrous

TSCA 8(b) inventory: Aluminum Bromide, anhydrous

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.

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