



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Aluminum antimonide, pieces.**

PRODUCT NUMBER: 1008

CAS NUMBER: 25152-52-7

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Warning

Hazard Statements

H302	Harmful if swallowed
H331	Toxic if inhaled
H411	Toxic to aquatic life with long lasting effects.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P301 + P312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

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

EYE CONTACT: May cause irritation to the eye

SKIN CONTACT: Antimony is a primary irritant.

INHALATION: May cause irritation to respiratory system, nose, throat, and mouth.

INGESTION: May cause nausea, vomiting, diarrhea, and cramps.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

HMIS RATING (0-4):

Health= 2

Flammability= 0

Reactivity= 1

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: AlSb

Molecular Weight: 148.74

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Aluminum antimonide, pieces	25152-52-7	100	.5 mg/m ³	.5 mg/m ³

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Flush eyes with lukewarm water, lifting upper and lower eyelids, for at least 15 minutes. Seek medical attention.

SKIN EXPOSURE: Remove contaminated clothing; brush material off skin; wash affected area with mild soap and water; seek medical attention.

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

INGESTION: Give 1-2 glasses of milk or water and induce vomiting; seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Use suitable extinguishing agent for surrounding materials and type of fire.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Toxic metal oxide fumes

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear appropriate protective equipment. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Do not allow material to be released to the environment without proper governmental permits.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Isolate spill and provide ventilation. Vacuum up spill using a high efficiency particulate absolute air filter and place in a closed container for proper disposal. Be sure not to raise dust.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep container tightly closed. Ensure good ventilation.

CONDITIONS FOR SAFE STORAGE: Store in a cool, dry place in tightly closed containers. Store away from oxidizing agents.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

SKIN PROTECTION: Impervious gloves

VENTILATION: Chemical fume hood.

RESPIRATOR: NIOSH approved dust respirator. Use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Crystalline solid
MOLECULAR WEIGHT: 148.74
MELTING POINT: 1050° C
SPECIFIC GRAVITY: Not applicable
BOILING POINT: Not determined
VAPOR PRESSURE: Not determined
SOLUBILITY IN WATER: Insoluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Avoid contact with oxidizing agents
INCOMPATIBILITY: None known
DECOMPOSITION PRODUCTS: Fumes of antimony

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: Irritating to skin and mucous membranes.
CHRONIC TOXICITY: Compounds may cause metallic taste, gastrointestinal disturbances, vomiting, diarrhea, dizziness, and systemic poisoning. May cause liver and kidney damage. Aluminum may be implicated in Alzheimer's disease. Inhalation of aluminum containing dusts may cause pulmonary disease.

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

SECTION 12 ECOLOGICAL DATA

Toxic for fish. Do not allow product to reach ground water, water course, or sewage systems. Do not allow material to be released to the environment without proper governmental permits.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14 TRANSPORTATION DATA

Antimony compound, inorganic, solid, n.o.s.
(Aluminum antimonide)
CLASS 6.1
UN1549
PG III

SECTION 15 REGULATORY INFORMATION

All components of this product are listed in the U.S. Environmental Protection Agency Toxic substances Control Act Chemical substance Inventory.

All components of this product are listed on the Canadian Non-domestic substances list.

For use by technically qualified individuals.

SECTION 15 REGULATORY INFORMATION (Cont.)

This product contains antimony and is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to know Act of 1986 and 40 CFR372.

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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