



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Antimony, Powder**

PRODUCT NUMBER: 1100

CAS NUMBER: 7440-36-0

MANUFACTURER:

Prochem, Inc.
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Rockford, IL 61109

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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

Pictogram



Signal Word

Warning

Hazard Statements

H301+H331	Toxic if swallowed or inhaled.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P402 + P404	Store in a dry place. Store in a closed container.

HMIS CLASSIFICATION:

Health: 2 Fire: 0 Reactivity Hazard: 1

NFPA RATING:

Health: 2 Flammability: 0 Reactivity Hazard: 1

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

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

INHALATION: May cause slight to mild irritation to the respiratory tract.

INGESTION: May cause irritation if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Sb

Molecular Weight: 121.76

CHEMICAL NAME	CAS#	%
Antimony	7440-36-0	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Rinse opened eye for several minutes under running water. Then consult a physician.

SKIN EXPOSURE: Immediately flush skin with plenty of soap and water. Consult a physician

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

INGESTION: Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Special powder for metal fires. Do not use water.

SPECIAL FIRE FIGHTING PROCEDURES: If involved in 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: Antimony oxide

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Always wear appropriate protective equipment. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Do not let enter drains or allow to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid contact with skin and eyes. Be sure to use appropriate exhaust. Avoid formation of dust.

CONDITIONS FOR SAFE STORAGE: Store in a cool, dry, and well-ventilated area. Store away from oxidizing agents and halogens.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity
Antimony	0.5 mg/m ³	TWA	OSHA
	0.5 mg/m ³	TLV	ACGIH

TLV: Threshold Limit Value over 8 hours of work.

TWA: Time Weighted Average over 8 hours of work.

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: Wear appropriate gloves to prevent skin exposure.

VENTILATION: Handle in an efficient chemical fume hood.

RESPIRATOR: Wear an approved dust respirator. 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: Grey powder
ODOR: None
MOLECULAR WEIGHT: 121.76
BOILING POINT: 1635° C
MELTING POINT: 630.7° C
SPECIFIC GRAVITY: 6.68 gm/ml
VAPOR PRESSURE: Not applicable
SOLUBILITY: Insoluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Not available
INCOMPATIBILITY: Oxidizing agents and halogens
DECOMPOSITION PRODUCTS: Antimony oxide

SECTION 11 TOXICOLOGICAL DATA

ACTUE TOXICITY: LD50 Oral – rat – 100 mg/kg.
CARCINOGENIC EFFECTS: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
MUTAGENIC EFFECTS: No data
TETRATOGENIC EFFECTS: No data
RTECS: CC4025000

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

SECTION 12 ECOLOGICAL DATA

TOXICITY TO FISH: Mortality NOEC-Cyprinodon variegatus (sheepshead minnow) – 6.2 mg/l- 96.0 h. LC50-Cyprinodon variegatus (sheepshead minnow) – 6.2-8.3 mg/l – 96.0 h.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14 TRANSPORTATION DATA

UN2871
Antimony Powder
Class 6.1
PG III

Marine Pollutant: Yes

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory
SARA 313 COMPONENTS: Antimony

SECTION 15 REGULATORY INFORMATION (Cont.)

SARA 311/312 HAZARDS: No SARA Hazards

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: Antimony

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Antimony

NEW JERSEY RIGHT TO KNOW COMPONENTS: Antimony

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 PREPARED: 02/15

SDS DEPT.