



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Antimony (III) sulfate**
PRODUCT NUMBER: 1136
CAS NUMBER: 7446-32-4
SYNONYMS: Diantimony tris(sulfate), Antimonous sulfate, Diantimony trisulfate

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Warning

Hazard Statements

H302	Harmful if swallowed
H315	Causes skin irritation.
H332	Harmful if inhaled
H335	May cause respiratory irritation.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301 + P312	IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

EYE CONTACT: Dust causes irritation of the eyes.

SKIN CONTACT: Causes irritation of the skin.

INHALATION: Irritating to mucous membranes and upper respiratory tract.

INGESTION: Harmful if swallowed.

CHRONIC HEALTH EFFECTS: Chronic toxicity of this substance is not fully known.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

HMIS CLASSIFICATION:

Health: 2 Flammability: 0 Reactivity: 0

NFPA RATING:

Health: 2 Fire: 0 Reactivity Hazard: 0

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $Sb_2(SO)_4$

Molecular Weight: 531.71

CHEMICAL NAME	CAS#	%	ACGIH (TLV)	OSHA (PEL)
Antimony (III) sulfate	7446-32-4	100	0.5 mg/m ³	0.5 mg/m ³

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for several minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get medical attention if redness or irritation persists.

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

INHALATION: Remove victim to fresh air. 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: Do NOT induce vomiting. Seek medical assistance immediately.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Material is not combustible or flammable. Use media suitable for other materials in area.

SPECIAL FIRE FIGHTING PROCEDURES: If this product is 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: May emit sulfur dioxide and metal oxide fumes.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear adequate protective gear. Avoid raising dust. Ventilate area.

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

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in a well-marked container for disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid contact with skin and eyes. Avoid formation of dust. Use adequate ventilation when working with material.

CONDITIONS FOR SAFE STORAGE: Keep in a tightly sealed container. Store in a cool, dry area away from water and moisture.

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: Handle in an efficient chemical fume hood.

RESPIRATOR: Wear an approved respirator. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION (Cont.)

OTHER PROTECTIVE EQUIPMENT: Use in a controlled environment. Do not smoke or eat in area. Safety shower and eyewash station capable of sustained flushing. Wash hands after handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White powder

MOLECULAR WEIGHT: 531.71

BOILING POINT: No data

MELTING POINT: Decomposes

SPECIFIC GRAVITY: Not applicabl

VAPOR DENSITY: 3.625 g/ml

% VOLATILE BY VOLUME: Non volatile

SOLUBILITY: Insoluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Water/moisture

INCOMPATIBILITY: Strong oxidizing agents

DECOMPOSITION PRODUCTS: Sulfur oxides and metal oxide fumes.

SECTION 11 TOXICOLOGICAL DATA

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

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

SECTION 12 ECOLOGICAL DATA

Do not allow product to reach ground water, watercourse, or sewage systems. Do not allow material to be released to the environment without proper governmental permits. Toxic for aquatic organisms. Danger to drinking water if even small quantities leak into the ground. Toxic to aquatic life. May cause long lasting harmful effects to aquatic life. Avoid transfer into the environment.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14 TRANSPORTATION DATA

IATA: Antimony compound, inorganic, n.o.s.

Class 6.1

UN1549

PG III

DOT: Antimony compounds, inorganic, n.o.s.

Class 6.1

UN1549

PG III

SECTION 15 REGULATORY INFORMATION

TSCA: No data

SARA 313 COMPONENTS: Antimony (III) sulfate

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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