

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

Manufacturer: ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

Phone: (815) 398-1788
Fax: (815) 398-1810
E-Mail: Prochem1@aol.com

SECTION 1 Product Identification

CHEMICAL NAME: Antimony (III) ethoxide
CAS #: 10433-06-4
FORMULA: Sb(OC₂H₅)₃
SYNONYM: triethoxyantimony, antimony ethanolate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	10433-06-4	100	0.5mg/m ³ (as Sb)	0.5mg/m ³ (as Sb)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Irritating to skin, eyes and respiratory tract. May cause bleeding gums, laryngitis, headache, anemia, skin eruptions, liver and kidney damage. Moisture will produce ethanol vapor which may cause drowsiness.

PRIMARY ROUTES OF EXPOSURE: Inhalation, ingestion, contact with skin and eyes.

EYE CONTACT: Causes irritation of the eyes.

SKIN CONTACT: Causes irritation of the skin, dermatitis and skin eruptions.

INHALATION: Irritating to the nose, mucous membranes and respiratory tract.

INGESTION: Ingestion may lead to nausea, vomiting, bloody diarrhea, weakness, and convulsions.

CHRONIC HEALTH EFFECTS: Liquid may cause bleeding gums, laryngitis, headache, anemia, skin eruptions, liver and kidney damage

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

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 in 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: 230°F

AUTO IGNITION TEMPERATURE: no data

EXPLOSION LIMITS:

EXTINGUISHING MEDIUM:

SPECIAL FIREFIGHTING 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 and antimony oxide dust.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Flammable. No unusual fire or explosion hazards.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Avoid contact with water. Small spills may be adsorbed into diatomaceous earth, sand, or other suitable adsorbent, and swept up.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store material in a tightly sealed container.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Chemical-resistant.

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 be in compliance with 29 CFR 19-10.134.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: colorless liq.

MOLECULAR WEIGHT: 256.9

MELTING POINT (DEG. C.): no data

BOILING POINT: 95°/11mm

VAPOR PRESSURE: no data

SPECIFIC GRAVITY: 1.524

SOLUBILITY IN WATER: Reacts with water

SECTION 10 Stability and Reactivity

STABILITY: moisture sensitive liquid

HAZARDOUS POLYMERIZATION: no hazardous polymerization

CONDITIONS TO AVOID: contact with moisture

INCOMPATIBILITY: oxygen, oxidizing agents and halogens

DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, organic vapors, and metal oxides and carbonates.

SECTION 11 Toxicological Information

RTECS DATA: No specific information available on this product.

MUTAGENIC EFFECTS: no data

TETRAOGENIC EFFECTS: no data

CARCINOGENIC EFFECTS: no data

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

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Flammable liquids, n.o.s., Class 3, UN 1993, PG III

SECTION 15 Regulatory Information

TSCA: Not listed in the TSCA inventory

SARA (TITLE 313): Title compound : See category N010 for reporting.

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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