

MATERIAL SAFETY DATA SHEET

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

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SECTION 1 Product Identification

CHEMICAL NAME: Antimony (III) bromide
CAS#: 7789-61-9
FORMULA: SbBr₃
SYNONYM: Antimony tribromide, Tribromostibine

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7789-61-9	100	0.5mg/m ³ (as Sb)	0.5mg/m ³ (as Sb)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Severe irritant to skin and eyes. Material hydrolyzes in contact with moisture releasing toxic and corrosive fumes of hydrogen bromide and aqueous hydrobromic acid.

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin, eyes

EYE CONTACT: May be a severe irritant to the eyes.

SKIN CONTACT: May cause severe irritation of the skin, dermatitis and skin eruptions.

INHALATION: Forms hydrogen bromide in the presence of moisture. Inhalation can lead to severe irritation of the respiratory tract.

INGESTION: Ingestion is unlikely due to pungent choking odor. No information is available on the acute physiological effects of ingestion.

CHRONIC HEALTH EFFECTS: Prolonged exposure to antimony compounds can cause dry throat, bleeding gums, laryngitis, headache, anemia, nervous complaints and skin eruptions. Antimony compounds affect liver, kidney and heart.

ACUTE HEALTH EFFECTS: May be irritating to skin, eyes and respiratory tract and cause eye, skin burns, dyspnea (breathing difficulty), and pulmonary edema

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