

MATERIAL SAFETY DATA SHEET

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

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SECTION 1 Product Identification

CHEMICAL NAME: Thallium (I) Iodide
CAS#: 7790-30-9
FORMULA: TII
SYNONYM: Thallium monoiodide, Thallous iodide

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7790-30-9	100	0.1mg/m3	0.1mg/m3

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Thallium and its compounds, especially if water soluble, are highly poisonous by ingestion. Low doses can be fatal. Prolonged exposure to iodide salts may produce a mild toxic syndrome known as iodism.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation.

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

SKIN CONTACT: Causes irritation to skin. Symptoms include redness, itching, and pain, pimples, boils, hives and blisters.

INHALATION: May be irritating to the nose, mucous membranes and respiratory tract. May result in Thallium poisoning.

INGESTION: Ingestion of only small amounts results in swelling of the feet and legs, mental confusion, pain, paralysis, and death.

CHRONIC HEALTH EFFECTS: Prolonged exposure to thallium compounds causes discoloration of the hair, which later falls out, joint pain, loss of appetite, fatigue, severe pain in the legs, albuminuria, and optic neuritis. Chronic ingestion of iodides may produce skin rash, running nose, headache.

ACUTE HEALTH EFFECTS: Acute poisoning results in swelling of the feet and legs, mental confusion, angina-like pains, paralysis, weakness, and death.

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.