

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: Thallium (I) sulfate
CAS#: 7446-18-6
FORMULA: TI₂S₀₄
SYNONYM: Dithallium sulfate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7446-18-6	100	0.1 mg/m ³ (as soluble TI)	0.1 mg/m ³ (as soluble TI)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Thallium compounds, especially if water soluble, are highly poisonous by ingestion. Thallium compounds have been used as a rat poison.

PRIMARY ROUTES OF EXPOSURE: Ingestion

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

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

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

INGESTION: Ingestion may result in swelling of the feet and legs, mental confusion, paralysis, angina-like pains, wasting and weakness.

CHRONIC HEALTH EFFECTS: Prolonged exposure to thallium compounds has been reported to lead to discoloration of the hair, which later falls out, joint pain, loss of appetite, fatigue, severe pain in the legs, albuminuria, and optic neuritis. Possible mutagen

ACUTE HEALTH EFFECTS: Acute poisoning, after 1-10 days, results in pain of the extremities, fever, difficulty in moving, vomiting, followed by jumbled speech, tremors, convulsions, kidney failure, 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