

PRMI

MATERIAL SAFETY DATA SHEET

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SECTION 1 Product Identification

CHEMICAL NAME: #3523 THALLIUM ROD

CAS#: 7440-28-0

FORMULA: Tl

EINECS #: 231-138-1

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7440-28-0	100	0.1 mg/m ³	0.1 mg/m ³

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: DANGER! HIGHLY TOXIC Highly toxic by ingestion, inhalation, skin absorption. Danger of cumulative effects. Irritating to skin, eyes, mucous membranes.

PRIMARY ROUTES OF EXPOSURE: Inhalation, Ingestion, Skin absorption

EYE CONTACT: Causes irritation of the eyes .

SKIN CONTACT: Causes irritation to skin.

INHALATION: Causes irritation to respiratory system.

INGESTION: May be fatal if swallowed. Highly toxic

SUBACUTE AND CHRONIC TOXICITY: Main symptoms of thallium poisoning are peripheral neuropathy and loss of hair. Acute poisoning cause paresthesias, ataxia, alopecia, fever, coryza, abdominal pain, nausea and vomiting. Symptoms may progress to lethargy, speech disorders, tremors, convulsions, cyanosis, pulmonary edema, bronchopneumonia and death. Kidney, liver and brain damage can occur. Thallium poisoning during the first trimester of pregnancy can cause skeletal deformities, alopecia, low birth weight and premature birth. Chronic thallium poisoning may produce alopecia, salivation and a blue line on the gums. Damage to the gastrointestinal, endocrine system and kidneys may also occur.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) . Assure rinsing under eyelids. Consult a physician immediately.

SKIN EXPOSURE: Wash affected area with soap and water. Rinse skin thoroughly. Remove contaminated clothes if necessary. Seek immediate medical advice.

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. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately.

INGESTION: Seek competent medical assistance immediately. Keep the victim calm. Do not induce vomiting.