



# SAFETY DATA SHEET

ProChemOnline.com



## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Thallium (I) Carbonate**

PRODUCT NUMBER: 3533

CAS NUMBER: 6533-73-9

SYNONYMS: Thallous carbonate

### MANUFACTURER:

ProChem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

PHONE: 815-398-1788  
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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

**Danger**

### Hazard Statements

H300 + H310 + H330	Fatal if swallowed, in contact with skin, or if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary Phrases

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P361	Remove/take off immediately all contaminated clothing.
P403+P233	Store in a well-ventilated place. Keep container tightly close.

## SECTION 2 HAZARDS IDENTIFICATION (Cont.)

**EYE CONTACT:** May cause eye irritation.

**SKIN CONTACT:** Fatal if in contact with skin.

**INHALATION:** Fatal if inhaled.

**INGESTION:** Fatal if swallowed.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $Tl_2CO_3$

Molecular Weight: 468.78

CHEMICAL NAME	CAS#	%
Thallium (I) Carbonate	6533-73-9	100

## 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 off with soap and plenty of water. Seek medical attention.

**INHALATION:** Remove to fresh air and keep at rest. If not breathing, give artificial respiration. Get medical attention.

**INGESTION:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTO IGNITION TEMPERATURE:** Not available

**EXPLOSION LIMITS:** Not available

**EXTINGUISHING MEDIUM:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained, approved breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Carbon oxides and thallium oxides

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid the formation of dust. Avoid breathing vapors, mist, gas, or dust.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spillage from entering drains or allowing to be released into the environment.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Sweep up and place in suitable container for proper disposal.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Avoid contact with skin and eyes. Avoid formation of dusts and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**CONDITIONS FOR SAFE STORAGE:** Store in cool, dry, and well-ventilated. Moisture sensitive.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

### EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity
Thallium carbonate	0.1 mg/m <sup>3</sup>	TWA	OSHA
	0.02 mg/m <sup>3</sup>	TWA	ACGIH
	0.1 mg/m <sup>3</sup>	TWA	NIOSH

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION (Cont.)

**EYE PROTECTION:** Wear chemical safety glasses or goggles and face shield.

**SKIN PROTECTION:** Wear nitrile or rubber gloves, and a complete suit protecting against chemicals.

**VENTILATION:** Provide local exhaust, preferably mechanical.

**RESPIRATOR:** Use an approved respirator.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Crystalline

**ODOR:** No data available

**MOLECULAR WEIGHT:** 468.78

**BOILING POINT:** No data available

**MELTING POINT:** 260-270° C

**SPECIFIC GRAVITY:** 27.11

**SOLUBILITY IN WATER:** No data available

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** No data available

**INCOMPATIBILITY:** Strong oxidizing agents and strong acids

**DECOMPOSITION PRODUCTS:** Carbon oxides and thallium oxides

## SECTION 11 TOXICOLOGICAL DATA

**ACUTE TOXICITY:** LC50 Oral – Mouse – 21 mg/kg. LD50 Dermal – Rate – 117 mg/kg.

**CARCINOGENIC EFFECTS:** No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.

**MUTAGENIC EFFECTS:** Not available

**TETRATOGENIC EFFECTS:** Not available

**CHRONIC TOXICITY:** Not available

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

## SECTION 12 ECOLOGICAL DATA

No information available

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

## SECTION 14 TRANSPORTATION DATA

**DOT:** UN1707

Thallium compounds, n.o.s.  
(thallium carbonate)

CLASS 6.1

PG II

**IATA:** UN1707

Thallium compound, n.o.s.  
(thallium carbonate)

CLASS 6.1

PG II

Marine Pollutant: No

## **SECTION 15 REGULATORY INFORMATION**

**TSCA:** Not listed in the TSCA inventory

**SARA 302/304:** Thallium Carbonate

**SARA 311/312:** Acute health hazard, Chronic health hazard

**SARA (TITLE 313):** Thallium Carbonate

## **SECTION 16 OTHER INFORMATION**

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DATE PREPARED: 06/23

SDS DEPT.