

Sigma-Aldrich Titanium(IV) Chloride Solution

INGREDIENTS	CAS NO	%	8HR OEL
HYDROCHLORIC ACID	7647-01-0	10-<20	-
titanium tetrachloride	7550-45-0	1-<5	-



UN No: **2922**
 Hazchem Code: **2X**
 DG Class: **8**
 Subsidiary Risk: **6.1**
 Packing Group: **II**
 Poisons Schedule: **S6**



NFPA Rating:

- ▶ **0:** Minimum
- ▶ **1:** Low
- ▶ **2:** Moderate
- ▶ **3:** High
- ▶ **4:** Extreme

PROPERTIES



Liquid. Mixes with water. Corrosive. Acid. Does not burn.

EMERGENCY



FIRST AID

Swallowed:	Give water (if conscious). URGENT MEDICAL ATTENTION.
Eye:	Wash with running water (15 mins). Medical attention.
Skin:	Flood body with water. Remove contaminated clothing. Wash with water
Inhaled:	Fresh air. Rest, keep warm. If breath shallow, give oxygen. Medical attention.
Advice To Doctor:	Airway problems - 100% O2. Treat burns as thermal. Retract eyelids - irrigate 30 mins. Retract eyelids/ Irrigate 30 mins.
Fire Fighting:	Keep surrounding area cool. Water spray/fog.
Spills and Disposal:	Prevent from entering drains. Contain spillage by any means. Absorb with dry agent. Neutralize with soda ash/ lime. Stop leak if safe to do so. Dispose of this material and its container at hazardous or special waste collection point. This material and its container must be disposed of in a safe way. To clean the floor and all objects contaminated by this material, use water.

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



Explosive Radioactive

x x
 x — Must not be stored together

HEALTH HAZARD INFORMATION



Acute Health Effects:

Harmful by inhalation.
 Causes burns.
 Risk of serious damage to eyes.
 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Chronic Health Effects:

Danger of cumulative effects.
 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

* – limited evidence

PRECAUTIONS FOR USE



Appropriate engineering controls:

Local Exhaust Ventilation recommended.

Glasses:

Consider full face-shield.

Gloves:

1.SARANEX-23 2.HYPALON 3.PVC

Respirator:

Type B-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Storage and Transportation:

Restrictions on Storage apply. Refer to Full Report. Dispose of this material and its container at hazardous or special waste collection point. Keep locked up. Keep out of reach of children. Keep away from living quarters. Keep away from food, drink and animal feeding stuffs.

Fire/Explosion Hazard:

Toxic smoke/fumes in a fire. Attacks metals to liberate hydrogen. Dispose of this material and its container at hazardous or special waste collection point.

Environment:

Toxic to aquatic organisms. Use appropriate container to avoid environmental contamination.