

Product Name: Titanium tetrachloride

CAS No.: 7550-45-0

EC No.: 231-441-9

Molecular Formula : TiCl₄

Titanium tetrachloride is a colorless to pale yellow liquid that has fumes with a strong odor. If it comes in contact with water, it rapidly forms hydrochloric acid, as well as titanium compounds. Titanium tetrachloride is not found naturally in the environment and is made from minerals that contain titanium. It is used to make titanium metal and other titanium-containing compounds, such as titanium dioxide, which is used as a white pigment in paints and other products and to produce other chemicals.

Titanium tetrachloride is used as an intermediate in the production of titanium metal, titanium dioxide, and titanium pigments, in the manufacture of iridescent glass and artificial pearls, as a polymerization catalyst, and to produce smoke screens. Titanium tetrachloride was formerly used with potassium bitartrate as mordant in the textile industry and with dyewoods in dyeing leather.

Titanium tetrachloride appears as a colorless fuming liquid with a pungent odor.

Corrosive to metals and tissue. Very toxic by inhalation.

Store: This product should not be stored outdoors or in the open air.

Any direct contact with moisture should be avoided.

Package : Closed steel drum. ISO Tank.

Item	TiCl ₄ %	FeCl ₃ %	SiCl ₄ %	VoCl ₃ %
Standard	99.9	<0.0002	<0.01	<0.002