

## Anhydrous tin tetrachloride CAS 7646-78-8 tin tetrachloride

### Basic Information:

Chinese name: Anhydrous tin tetrachloride, tin tetrachloride, CAS 7646-78-8

Chinese alias: anhydrous tin chloride; high tin chloride, FASCAT4400 catalyst, tin tetrachloride; tin chloride (anhydrous); tin chloride, anhydrous; tin tetrachloride (IV); anhydrous tetrachloride Tin; tin chloride; tin (IV) chloride solution; tin tetrachloride (IV) hydrate; fuming high tin chloride; high tin chloride; tin (IV) chloride; tin tetrachloride, anhydrous ; Anhydrous tin chloride; Tin tetrachloride (about 1.0mol/L in dichloromethane), anhydrous tin tetrachloride

English alias: Tin tetrachloride anhydrous; Tin chloride anhydrous, Tin(IV) chloride;TTC;stannic chloride fuming;Tin(IV) chloride solution;Tin (IV) chloride anhydrous;Tin tetrachloride;Stannic chloride;Tin(IV) CHLORIDE PENTAHYDRATE; Tinchlorideanhydrous;Tin chloride;Tin tetrachloride,ethanol solution; tetrachlorostannane;Stannic Chloride (ca. 1.0mol/L in Dichloromethane);Tetrachloro-stannane, tintet



### Quality Standard:

Item Analytical purity (AR) Chemical purity (CP)

Content (SnCl<sub>4</sub>) Assay,%  $\geq 99.0$   $\geq 98.0$

Sulfate (SO<sub>4</sub>) Sulfate,%  $\leq 0.01$   $\leq 0.01$

Iron (Fe)Iron,%  $\leq 0.001$   $\leq 0.002$

Antimony (Sb) Antimony,%  $\leq 0.005$   $\leq 0.01$

Arsenic (As)Arsenic,%  $\leq 0.0005$   $\leq 0.001$

Hydrogen sulfide does not precipitate (calculated as sulfate) Substances  $\leq 0.05$   $\leq 0.1$   
not precipitated by hydrogen sulfide,% no no

Solubility in water Qualified Qualified

Free chlorine Qualified Qualified

English name: Tin Tetrachloride (TCC)

CAS number: 7646-78-8

Molecular formula: SnCl<sub>4</sub>

Danger sign: C (corrosive)

Physical and chemical properties:

Density: 2.226

Melting point: -33°C

Boiling point: 114°C

Purity: 99.9% (high purity reagent)

Properties: Colorless, smoky, corrosive liquid, sensitive to moisture. It is soluble in water and emits a lot of heat. It is soluble in ethanol, carbon tetrachloride, benzene, toluene, acetone, kerosene and gasoline. Moderately toxic, the median lethal concentration (rat, inhalation) 2300mg/m<sup>3</sup>. Irritating and corrosive.

**use:**

Appearance is colorless transparent or slightly yellow transparent fuming liquid, acidic. Soluble in water and emit a lot of heat, soluble in alcohol, carbon tetrachloride, benzene, toluene, gasoline, etc.

It can be used in the synthesis of organotin, TCO photovoltaic glass, LOW-E glass coating agent, medicine, organic synthesis as a catalyst, dehydrating agent, separation of potassium from rubidium and cesium. Used in organic analysis to saponify phenols and ethers. Organic synthetic dehydrating agent. Manufacturing of organotin. Fabric dyeing.

**Storage and transportation:**

Should be sealed and stored in a dry, cool and ventilated warehouse

**Health hazards:**

It has a strong stimulating effect on eyes, skin, mucous membranes and respiratory tract. Inhalation may cause death due to spasm, edema, inflammation, chemical pneumonia, and pulmonary edema of the larynx and bronchi. Poisoning manifestations include burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

**package:**

200KG/barrel Storage: It is recommended to store in a dry and cool area with proper ventilation. After the original packaging, please fasten the packaging cover as soon as possible to prevent the product performance from being mixed with other substances such as water resistance. Store in a cool, dry place, keep the container tightly closed, and avoid contact with oxides. Do not inhale dust and avoid contact with skin and mucous membranes. Smoking, eating and drinking are prohibited in the workplace. After work, take a shower and change clothes. Store contaminated clothes separately and use them after washing. Maintain good hygiene habits.

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## FAQ

Q1: May I get one sample before placing order?

Re: Yes, Sample are available. For normal products, samples are for free and you just need to bear the freight; For those high value products, you just need to freight and certain product cost. When we both cooperate for some times or when you are our VIP customer, free sample will be offered when you need.

Q2: Which payment is available for your company?

Re: T/T, L/C, You can choose the one which is convenient for you.

Q3: How and when can I get my goods after payment?

Re: For small quantity products, they will be delivered to you by international courier(DHL, FedEx, TNT etc.)

or by air. Usually it will cost 3-5days that you can get the goods after delivery. For large quantity products, shipping by sea is worthwhile. It will cost days to weeks to come to your destination port, which depends on where the port is.

Q4: Is there any possible to use my appointed label or package?

Re: Yes. If needed, we'd like to use label or package according to your requirement.

Q5: How can you guarantee the goods you offer is qualified?

Re: We always believe honesty and responsibility are basis of one company, so whatever products we provide for you all are qualified.