

## FASCAT4400 tertiary amine catalyst Arkema PMC

### Overview:

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 tin tetrachloride; Tin chloride; Tin chloride (IV) solution; Tin (IV) tetrachloride hydrate; Fuming high tin chloride; High tin chloride; Tin chloride (IV); 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.1.0 mol/L in Dichloromethane); Tetrachloro-stannane, tintet

### Quality Criteria

Item	Analytical Pure (AR)	Chemical Pure (CP)
Content (SnCl <sub>4</sub> )Assay,%	≥ 99.0	≥ 98.0
Sulfate (SO <sub>4</sub> )Sulfate,%	≤ 0.01	≤ 0.01
Iron (Fe)Iron,%	≤ 0.001	≤ 0.002
Antimony (Sb)Antimony,%	≤ 0.005	≤ 0.01
Arsenic (As)Arsenic,%	≤ 0.0005	≤ 0.001
Hydrogen sulfide does not precipitate (in sulfate)Substances	≤ 0.05	≤ 0.1
not precipitated by hydrogen sulfide,%	no	no
water dissolution test is dissolved in water	Qualified	Up to standard
Free chlorin	Qualified	Qualified

English name: Tin Tetrachloride (TCC)

CAS Number: 7646-78-8

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

Danger Mark: C (corrosive)

FASCAT4400 Catalyst CAS 7646-78-8 anhydrous Tin tetrachloride anhydrous Tin  
chloride anhydrous Tin tetrachloride tintet

### Physicochemical 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 humidity. Soluble in water to release a lot of heat, soluble in ethanol, carbon tetrachloride, benzene, toluene, acetone, kerosene and gasoline. Moderately toxic, lethal median concentration (rats, inhaled)2300mg/m<sup>3</sup>. Irritating and corrosive.

### Uses:

Appearance colorless transparent or slightly yellow transparent smoky liquid, acidic.

Soluble in water and release a lot of heat, soluble in alcohol, carbon tetrachloride, benzene, toluene, gasoline and so on

Can be used in the synthesis of organotin, TCO photovoltaic glass, LOW-E glass coating agent, medicine, organic synthesis as a catalyst, dehydrating agent, separating potassium from rubidium and cesium. Used for saponification of phenol and ether in organic analysis. Organic synthesis of dehydrating agents. Manufacture of organotin. Fabric dyeing.



### Leak treatment

Stop leaks as much as possible while ensuring safety. If a minor leak is found, treat it with sand or other absorbent material and place it in a clean, dry container for subsequent treatment. If a large amount of leakage occurs, the leaked material should

be collected for subsequent treatment. Avoid material entering groundwater or surface water, because it is not easily degraded by biological matter. All collected leakage materials should be disposed of in accordance with the relevant regulations of the local environmental protection department.

### **Disclaimer**

The information and technical advice provided above are obtained from reliable sources. However, the data provided by us is without express or implied warranties, and no commitments are made herein. If you need to use our products, we recommend a series of tests. The application, use, processing or production of products based on the technical information provided by us is outside our control and therefore the responsibility lies with the user. Conditions and methods of handling, storage, use or disposal of this product are beyond our control and may be beyond our knowledge, and under no circumstances will we be liable for loss, damage or related expenses arising from improper handling, storage, use or disposal of this chemical. For more information, please review the technical safety specifications of our products or contact our Marketing Services department.

### **Safety Information:**

Catalyst, rinse with soapy water promptly after contact with skin. The staff can wear an eye mask or safety glasses to achieve the purpose of eye protection. Eye washing and bathing facilities should be available near the workplace. When working in places that

may come into contact with the product, you should pay attention to personal hygiene and use detergent to wash the skin in contact with the product before eating, smoking and leaving the work.

### **Shelf life:**

Remain unopened for two years

### **Storage and Transportation:**

Should be sealed, stored in a dry cool ventilated warehouse

### **Packing:**

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 moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid contact between skin and mucous membrane. Smoking, eating and drinking are prohibited in the workplace. Shower and change after work. Store contaminated clothes separately and use them after washing. Practice good hygiene.

**Technical support and business contacts E-mail: [info@newtopchem.com](mailto:info@newtopchem.com)**

