

## Polyurethane rigid foam catalyst CAS 15875-13-5 catalyst PC41

### Overview:

Name: Polyurethane rigid foam catalyst

Polyurethane rigid foam catalyst PC41 is a colorless to light yellow transparent liquid with a very weak odor or nearly odorless, easily soluble in water. PC-41 is a chemical substance with the molecular formula C<sub>18</sub>H<sub>42</sub>N<sub>6</sub>.

Catalyst PC-41 is a chemical substance with the molecular formula C<sub>18</sub>H<sub>42</sub>N<sub>6</sub>.

Chinese name: 1,3,5-tris(dimethylaminopropyl) hexahydrotriazine, referred to as triazine

Alias: catalyst PC-41, catalyst PC41, polyurethane catalyst PC41, polyurethane catalyst PC-41, hard foam catalyst PC41, hard foam catalyst PC-41, trimerization catalyst PC-41, trimerization catalyst PC41, triazine catalyst, Toyocat TRC , Polyurethane triazine catalyst, tris (dimethylaminopropyl) hexahydrotriazine, hexahydrotriazine, CAS 15875-13-5, 15875-13-5, Polycat 41, Jeffcat TR-90, Lupragen N600, Tegoamin 41 , PC CAT NP40, hard foam catalyst PC41, semi-rigid foam catalyst PC41, shoe sole catalyst PC41, trimer catalyst PC41

English name: 1,3,5-Tris[3-(dimethylamino)propyl]hexahydro-1,3,5-triazine



Molecular formula (Formula): C<sub>18</sub>H<sub>42</sub>N<sub>6</sub>

Molecular Weight (Molecular Weight): 342.0

CAS Number: 15875-13-5

Chinese name PC-41

Molecular formula C<sub>18</sub>H<sub>42</sub>N<sub>6</sub>

CAS number 15875-13-5

Relative molecular mass 342

Chemical composition Tris (dimethylaminopropyl) hexahydrotriazine, referred to as triazine

Alias catalyst PC-41, catalyst PC41, polyurethane catalyst PC41, polyurethane catalyst PC-41, hard foam catalyst PC41, hard foam catalyst PC-41, trimerization catalyst PC-41, trimerization catalyst PC41, triazine catalyst, Toyocat TRC, Polyurethane triazine catalyst, tris (dimethylaminopropyl) hexahydrotriazine, hexahydrotriazine, CAS 15875-13-5, 15875-13-5, Polycat 41, Jeffcat TR-90, Lupragen N600, Tegoamin 41, PC CAT NP40, hard foam catalyst PC41, semi-rigid foam catalyst PC41, shoe sole catalyst PC41, trimer catalyst PC41

**Introduction:**

Relative density: 0.92-0.95

Viscosity (25°C): 26-33mP.s

Flash point: 153°C(COC) or 132°C(TMCC)

Boiling point: 255°C or 140°C/133Pa

Freezing point: -59°C

Vapor pressure (21°C): 13Pa

**Physical and chemical properties:**

The product is a colorless to light yellow transparent liquid with a very weak odor or nearly odorless, easily soluble in water.

Relative density 0.92~0.95

Viscosity (25°C) 26~33mPa.s

Flash point 153°C(COC) or 132°C(TMCC)

Boiling point 225°C or 140°C/133Pa

Freezing point -59°C

Steam pressure (21°C) 13Pa

Moisture in product  $\leq 0.5\%$

Nitrogen content 17%~18%

**use:**

PC41 has a high-activity polyurethane hard foam high-polymerization trimerization catalyst with excellent foaming/gelling ability, and is usually shared with other catalysts.

PC41 is mainly used to catalyze the reaction of polyurethane and polyisocyanate. In fact, the catalytic selectivity of polyurethane is slightly higher than that of polyisocyanate. It is often used for laminated polyurethane hard foam, spray hard foam, and molded hard foam;

PC41 is more suitable for polyisocyanate rigid foam sheet, various foaming agent foaming (including full water foaming) and other processes, and has excellent performance in water foaming rigid foam system;

PC41 is also suitable for microcellular polyurethane elastomer and high resilience foam plastic products.

**Storage and transportation:**

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

**package:**

200KG/drum 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 water and other substances from mixing into the product and affecting its performance. Store in a cool, dry place, keep the container sealed and avoid contact with oxides. Do not breathe dust, avoid skin and mucous membrane contact. Smoking, eating and drinking are prohibited in the workplace. After work, shower and change clothes. Store contaminated clothing separately and wash it before reuse. 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.