

## Jeffcat TD-20 catalyst CAS107-16-9 Huntsman

Jeffcat TD-20 is a tertiary amine catalyst used in the production of polyurethane foam. It is a 20% solution of triethylenediamine (TEDA) in dipropylene glycol. Jeffcat TD-20 is compatible with most common polyols and isocyanate systems. It is also compatible with water-based systems.

### Physical and chemical properties:

Properties	value
Looks	Clear colorless liquid
Scent	Mild, amine-like
pH	10.5
Specific Gravity	1.03
Flash Point	110 degrees Fahrenheit
Spontaneous combustion temperature	450 degrees Fahrenheit

Solubility	Miscible with water, alcohols and ketones
Stable	Stabilize at room temperature

### CAS number

107-16-9

### Molecular Formula

C<sub>12</sub>H<sub>23</sub>N<sub>3</sub>

### Molecular weight

197.34 g/mole

### Apply

Jeffcat TD-20 is used to catalyze the reaction of polyols and isocyanates to produce polyurethane foam. It is used in a variety of applications including:

Rigid foam

Soft foam

Spray foam

Forming foam

Styrofoam



### Precautions for use

Jeffcat TD-20 is a flammable liquid and should be handled with care. It should be stored in a cool, dry place away from heat sources and open flames. Jeffcat TD-20 can irritate skin and eyes. If it comes into contact with skin or eyes, wash the affected area with soap and water immediately. If inhaled, move to fresh air and seek medical attention if breathing becomes difficult.

See the safety data sheet for more information on Jeffcat TD-20.

Here are some additional precautions to take when using the Jeffcat TD-20:

- Wear gloves, goggles, and a respirator when handling a Jeffcat TD-20.
- Avoid inhaling vapors or fumes.
- Do not eat or drink while using Jeffcat TD-20.
- Wash your hands thoroughly after handling Jeffcat TD-20.
- Dispose of Jeffcat TD-20 properly according to local regulations.

### **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.

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