

## Polyurethane Catalyst A33 CAS280-57-9 foaming catalyst

### Overview:

Chinese name: Polyurethane Catalyst A33

Alias: catalyst A33, polyurethane catalyst A33, catalyst A33, blowing catalyst A33, CAS 280-57-9, Dabco 33-LV, Niox A-33, Jeffcat TD-33A, Lupragen N201, Tegoamin 33 PC CAT TD33, Addocat 105, TEDA L33, foaming catalyst, polyurethane foaming catalyst, catalyst A-33, polyurethane catalyst A-33, liquid catalyst, liquid composite amine catalyst

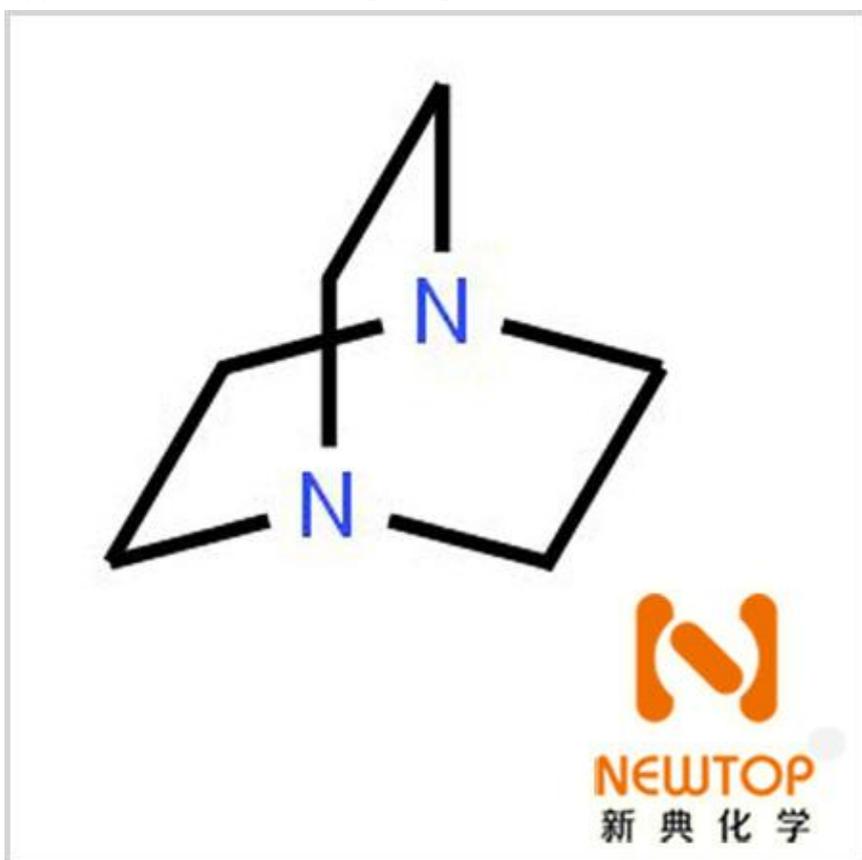
Polyurethane catalyst A33 is a gel catalyst mainly used as polyurethane foam.

Foreign name A33 polyurethane catalyst A33, catalyst A33, Dabco 33-LV, Niox A-33, Jeffcat TD-33A, Lupragen N201, Tegoamin 33, PC CAT TD33, Addocat 105, TEDA L33, foaming catalyst A33

33% triethylenediamine solution

Form Solid

Application Flexible, semi-rigid, rigid urethane foam



### chemical composition:

33% triethylenediamine solution.

Triethylenediamine is solid at room temperature and is inconvenient to use as a polyurethane catalyst. In industrial applications, it is often melted in a small molecule diol and configured to use an alcohol solution with a mass fraction of 33% (or other concentration).

Commonly used glycols include dipropylene glycol, propylene glycol, diethylene glycol (diethylene glycol), ethylene glycol and the like.

### Product properties:

Molecular formula: C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>;

Relative molecular mass: 112.17;

CAS number: 280-57-9;

Purity  $\geq$ 99%;

Moisture  $\leq$ 0.5%;

Viscosity (25°C): 100mPa.s;

Density (20°C): 1.033g/cm<sup>3</sup>;

Flash point (PMCC): 79°C;

Vapor pressure (38°C): 266Pa

#### Product Usage:

The effective component of polyurethane catalyst A33 is triethylenediamine, a solution made of 33% triethylenediamine and 67% dipropylene glycol. It is mainly used as a gel catalyst for polyurethane foams and is widely used in soft, Semi-rigid, rigid polyurethane foam, coatings, elastomers, in polyurethane foaming systems, isocyanate first reacts with triethylenediamine to form an active complex, the nature of the complex is very unstable, once the carbamate After the ester bond is formed, it will be released, which is conducive to further catalysis. Triethylenediamine has a strong catalytic effect on the gel reaction and the foaming reaction, especially on the polyurethane and the hydroxyl group. A33 is mainly used as a gel catalyst for polyurethane foams, and is widely used in soft, semi-rigid, rigid polyurethane foams, elastomers, and coatings.

Polyurethane Catalyst A33 Catalyst A33 Foaming Catalyst A33 CAS 280-57-9 Dabco 33-LV Niax A-33 Jeffcat TD-33A Lupragen N201 Tegoamin 33 PC CAT TD33 Addocat 105 TEDA L33 Foaming Catalyst 33-LV Polyurethane Foaming Catalyst 33- LV catalyst A-33 polyurethane catalyst A-33 liquid catalyst

#### 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.