

## Tegoamin BDE catalyst CAS121-54-0 Degussa AG

Tegoamin BDE is a tertiary amine-based catalyst used in the production of polyurethane foam. It is a clear, colorless liquid with a mild odor. Tegoamin BDE is a highly efficient catalyst that can be used to produce a variety of polyurethane foams, including soft, hard and microcellular foams. Tegoamin BDE is also a low-odor catalyst, which makes it ideal for applications that require attention to odor.

### Physicochemical properties of Tegoamin BDE

Properties	value
CAS number	121-54-0
Molecular Formula	C <sub>10</sub> H <sub>23</sub> N <sub>3</sub>
Molecular weight	181.27 g/mole
Appearance	Clear colorless liquid
Scent	Mild

Solubility	Soluble in water, alcohol, ether
Specific Gravity	1.020 @ 20°C
Flash point	125 °C
Spontaneous combustion temperature	300 °C
pH	10.5@1% solution

### Application of Tegoamin BDE

Tegoamin BDE is used to produce a variety of polyurethane foams, including:

Soft foams, such as cushions, mattresses and furniture

Hard foams, such as insulation and building materials

Microcellular foams, such as elastomers and paints



## Advantages of Tegoamin BDE

Tegoamin BDE has a number of advantages over other polyurethane foam catalysts, including:

- High activity: Tegoamin BDE is a highly efficient catalyst that can be used to produce a wide range of polyurethane foams in a short time.
- Low odor: Tegoamin BDE is a low odor catalyst, which makes it ideal for applications where odor needs to be a concern.
- Stable: Tegoamin BDE is a stable catalyst that can be stored for long periods of time without losing its effectiveness.

## Precautions for use

Tegoamin BDE is a flammable and corrosive substance. Always take the following precautions when using Tegoamin BDE:

Newtop Chemical Materials (Shanghai) Co.,Ltd.

Address: Rm1104 ,No. 258, West SongXing Road, BaoShan District, Shanghai, China.

Mobile Phone: +0086-183 0190 3151 E-mail: [info@newtopchem.com](mailto:info@newtopchem.com) [www.newtopchem.com](http://www.newtopchem.com)

- Always wear personal protective equipment (PPE) when handling Tegoamin BDE.
- Keep Tegoamin BDE away from heat sources, sparks, and flames.
- Do not inhale the vapor or mist of Tegoamin BDE.
- If it comes into contact with your skin, wash the affected area immediately with soap and water.
- If it comes into contact with your eyes, immediately rinse your eyes with water for at least 15 minutes and seek medical attention.
- If swallowed, do not try to induce vomiting. Call poison control or seek medical attention immediately.

### **Storage and disposal**

Tegoamin BDE should be stored in a cool, dry place in an airtight container. It should be disposed of in accordance with local regulations.

### **Shelf life:**

Remain unopened for two years

### **Storage and Transportation:**

It should be kept sealed and stored in a dry, cool and ventilated warehouse

### **Packing:**

Newtop Chemical Materials (Shanghai) Co.,Ltd.

Address: Rm1104 ,No. 258, West SongXing Road, BaoShan District, Shanghai, China.

Mobile Phone: +0086-183 0190 3151 E-mail: [info@newtopchem.com](mailto:info@newtopchem.com) [www.newtopchem.com](http://www.newtopchem.com)

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)**