

## Jeffcat Z-110 catalyst CAS111-42-2 Huntsman

Jeffcat Z-110 is a non-volatile, clear, colorless liquid with a slight odor. It is a tertiary amine that is used as a catalyst in the production of polyurethane foams. Jeffcat Z-110 is effective in a wide range of isocyanates and polyols and can be used to produce a variety of foam characteristics, including density, hardness, and elasticity.

### Physical and chemical properties

Properties	value
CAS number	111-42-2
Molecular Formula	C <sub>7</sub> H <sub>17</sub> NO <sub>3</sub>
Molecular weight	147.21 g/mole
Appearance	Clear colorless liquid
Scent	Mild

Density	0.94 g/cm <sup>3</sup>
Flash point	120°F (49°C)
Solubility	Soluble in water, alcohol, and other polar solvents
Ph (pH)	9.5

## Applications

Jeffcat Z-110 is used in a variety of polyurethane foam applications, including:

- Rigid foams for insulation and construction
- Soft foam for furniture, bedding, and other applications
- Elastomer for seals, gaskets, and other products
- RIM and RRIM for cars and other parts
- Microcellular foam for packaging and other applications

## Advantages

- Non-volatile, clear, colorless liquid

- Suitable for a variety of isocyanates and polyols
- Can be used to produce foam with various characteristics
- Stable at high temperatures
- Low Toxicity

### **Precautions**

- Eye and skin irritation
- May be harmful if swallowed
- The steam may irritate the nose and throat
- May cause cancer in animals
- May be harmful to the environment

### **Storage and disposal**

- Store in a cool, dry place
- Keep out of reach of children and pets
- Wash your hands thoroughly after handling
- Wear gloves and goggles when handling
- Dispose 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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