

Fentacat 8 catalyst CAS111-42-2 Solvay

Fentacat 8 is a primary amine catalyst used in polyurethane (PU) foam production. It is a clear, colorless liquid with a mild odor. Fentacat 8 is part of the Solvay Fentacat™ catalyst family, which is known for its low emissions and low odor.



Product Overview

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Physical and chemical properties

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 www.newtopchem.com

| Properties | value |
|--------------------------------|----------------------------------|
| CAS number | 111-42-2 |
| Alias | N-octylamine |
| Molecular formula | C ₈ H ₁₇ N |
| Molecular weight | 123.21 g/mole |
| Flash point | 100°F (38°C) |
| Specific gravity | 0.824 (20°C) |
| Solubility in water | Miscibility |
| Solubility in organic solvents | miscibility |

Apply

Fentacat 8 is used to produce PU foam for a variety of applications, including:

- Furniture
- Cars
- Building construction
- Footwear
- Medical equipment

Pros

Fentacat 8 has a number of advantages over other PU foam catalysts, including:

- Low emissions
- Low odor
- High reactivity
- Wide range of applications
- Excellent cost performance

Manufacturing method

Fentacat 8 is manufactured by catalytic hydrogenation of acrylonitrile. The process is carried out in a continuous reactor at elevated temperatures and pressures. A catalyst is added to the reactor to facilitate the reaction. The reaction products are then separated and purified.

Precautions for use

Fentacat 8 is a flammable liquid and should be handled with care. It is also a skin and eye irritant. Wearing gloves, goggles, and a respirator is very important when using Fentacat 8. It is also important to keep Fentacat 8 away from heat sources and open flames.

For more information, please visit the solvay website: [HTTPS: //](https://www.solvay.com/en/brands/fentacat)

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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:

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