

Fentacat 100LE catalyst CAS13355-70-2 Solvay

Fentacat 100LE is a reactive gel catalyst with foaming properties similar to FENTACAT™ F33. It is widely used in flexible block and high Resilience (HR) foam grades.



Product Overview

Fentacat 100LE is a clear, colorless liquid.

It has a mild odor and is non-toxic.

It is a reactive gel catalyst used in the production of polyurethane foams.

It is compatible with a variety of polyols and isocyanates.

It is easy to use and produces a high-quality foam.

Physical and chemical properties

| Properties | value |
|------------------------------------|---|
| CAS number | 13355-70-2 |
| Alias | 4-(4-morpholinophenyl)-1,2,4-triazole-3-ol |
| Molecular formula | C ₁₂ H ₁₄ N ₃ O ₂ |
| Molecular weight | 211.24 g/mole |
| Solubility | Soluble in water, alcohol, ether |
| Flash point | 57°C (135°F) |
| Spontaneous combustion temperature | 800°F (427°C) |

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Fentacat 100LE is used to produce polyurethane foams in a variety of applications, including:

- Car seats
- Furniture
- Insulation
- Footwear
- Medical equipment

Pros

- Fentacat 100LE produces high-quality foams with good mechanical properties.
- It is easy to use and compatible with a wide range of polyols and isocyanates.
- It is non-toxic and has a mild odor.

How to make it

Fentacat 100LE is prepared by reacting 4-(4-morpholinophenyl)-1,2,4-triazole with formaldehyde in the presence of an acid catalyst.

Precautions for use

- Fentacat 100LE is a reactive chemical and should be handled with care.
- It should be stored in a cool, dry place.
- It should be kept away from heat sources and open flames.
- It should be used in a well-ventilated area.

Safety data Sheet

A safety data sheet (SDS) for Fentacat 100LE is available from the manufacturer. The SDS provides detailed information on product hazards, safe handling and disposal.

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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