

Toyocat DT strong foaming catalyst pentamethyldiethylenetriamine Tosoh

Overview:

Toyocat DT N,N,N',N'',N'''-pentamethyldiethylenetriamine (PMDETA), improved foam fluidity, strong foaming catalyst, mainly used for hard bubbles; The catalyst is characterized as a strong foaming catalyst while maintaining good gel properties. Provides balanced catalytic water/isocyanate (foaming) and polyol/isocyanate (gelling) reactions.

Pentamethyldiethylenetriamine is an organic compound with the formula C₉H₂₃N₃. Colorless or yellowish transparent liquid, soluble in water, ether and alcohol solvents, can absorb moisture and carbon dioxide in the air. It is an efficient catalyst of polyurethane soft foam, used in the formulation of soft foam products, and can also be used as an auxiliary catalyst of hard foam to improve the fluidity of PU foam in large-capacity refrigerator.

Chinese Name

Pentamethyldiethylenetriamine

Foreign name

N,N,N',N'',N'''-Pentamethyldiethylenetriamine

Alias

1,1,4,7,7 Pentamethyldiethylenetriamine, N, N, N 'N' N '- 5 methyl diethylenetria
mine; 1,1,4,7, 7-pentamethyldiethylenetriamine, N N N' N' N "-pentamethyldiethyl
entriamine; 1,1,4,7, 7-pentamethyldiethylenetriamine,1, 1,4,7, 7-pentamethyldiethyle
netriamine; N,N,N',N ",N "-pentamethyldiethyltriamine

Chemical formula

C₉H₂₃N₃

Molecular weight

173.30

CAS login number

3030-47-5

Melting point

- 20 °C

Boiling point

198 ° C

Water soluble

Soluble in water

Density

0.83 g/cm³

Exterior view

Colorless or slightly yellow clear liquid

Flash spots

53C

Should be used

Highly effective catalyst for polyurethane soft bubbles

Safety Description

S26, S36/37/39, S45

Hazard symbol

T

Description of danger

R22, R24, R34

UN Dangerous Goods number

2734

MDL number:

MFCD00014876

Refractive Index:

1.442 (lit.)

Linear formula

[(CH3)2NCH2CH2]2NCH3

Purity

98% or higher

Physical parameters

Steam pressure :0.23mmHg(20 ° C)

Density :0.83g/mL(25°C)(lit.)

Melting point : -20 ° C (lit.)

Boiling point : 198 ° C (lit.)

Flash point : 53°C

Refractive index (n_{20/D}): 1.442(lit.)

Toyocat DT catalyst C-5 is a tertiary amine (N, N, N', N', N" pentamethyldiethylenetriamine). The catalyst is characterized as a strong foaming catalyst while maintaining good gel properties. Provides balanced catalytic water/isocyanate (foaming) and polyol/isocyanate (gelling) reactions.

Toyocat DT catalyst C-5 pentamethyldiethylenetriamine, a strong foaming catalyst, improves the fluidity of hard bubbles.

Pentamethyldivenetriamine is an organic compound with the formula C₉H₂₃N₃. Colorless or yellowish transparent liquid, soluble in water, ether and alcohol solvents, can absorb moisture and carbon dioxide in the air. It is an efficient catalyst of polyurethane soft foam, used in the formulation of soft foam products, and can also be used as an auxiliary catalyst of hard foam to improve the fluidity of PU foam in large-capacity refrigerator.



Leak treatment

Stop leaks as much as possible while ensuring safety. If a minor leak is found, treat it with sand or other absorbent material and place it in a clean, dry container for subsequent treatment. If a large amount of leakage occurs, the leaked material should be collected for subsequent treatment. Avoid material entering groundwater or surface water, because it is not easily degraded by biological matter. All collected leakage materials should be disposed of in accordance with the relevant regulations of the local environmental protection department.

Disclaimer

The information and technical advice provided above are obtained from reliable

sources. However, the data provided by us is without express or implied warranties, and no commitments are made herein. If you need to use our products, we recommend a series of tests. The application, use, processing or production of products based on the technical information provided by us is outside our control and therefore the responsibility lies with the user. Conditions and methods of handling, storage, use or disposal of this product are beyond our control and may be beyond our knowledge, and under no circumstances will we be liable for loss, damage or related expenses arising from improper handling, storage, use or disposal of this chemical. For more information, please review the technical safety specifications of our products or contact our Marketing Services department.

Safety Information:

Catalyst, rinse with soapy water promptly after contact with skin. The staff can wear an eye mask or safety glasses to achieve the purpose of eye protection. Eye washing and bathing facilities should be available near the workplace. When working in places that may come into contact with the product, you should pay attention to personal hygiene and use detergent to wash the skin in contact with the product before eating, smoking and leaving the work.

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.

Technical support and business contacts E-mail: info@newtopchem.com