

Toyocat ETS Foaming catalyst Tosoh

Overview:

Toyocat ETS is A double (dimethylaminoethyl) ether also known as catalyst A1, catalyst A-1, BDMAEE. 70% bis (dimethylaminoethyl) ether dipropylene glycol solution, strong foaming catalyst, the domestic industry usually called it catalyst A-1 or A1. A1 catalyst is mainly used for the production of soft polyether polyurethane foam, and can also be used for hard foam packaging. A1 catalyst has a particularly strong catalytic effect on water, so the foam density can be reduced. It is about 80% effective in controlling reactions that produce gases and about 20% effective in controlling gel reactions. The catalyst activity is high, the amount is small, adjust the amount of this series, can control the foam rise and gel time.

Alias: double (dimethylaminoethyl) ether, English abbreviation BDMAEE, belongs to the foaming catalyst, but also polyurethane foaming catalyst

Full English name: bis(2,dimethylaminoethyl)ether; 2,2 '-oxybis(N, n-dimethylethylamine),Toyocat ETS

Molecular formula: C₈H₂₀N₂O

Physical and chemical properties:

Light yellow transparent liquid, soluble in water, water-soluble is alkaline.

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Density (25 ° C) : 0.85g/cm³

Flash point: 64-68 ° C

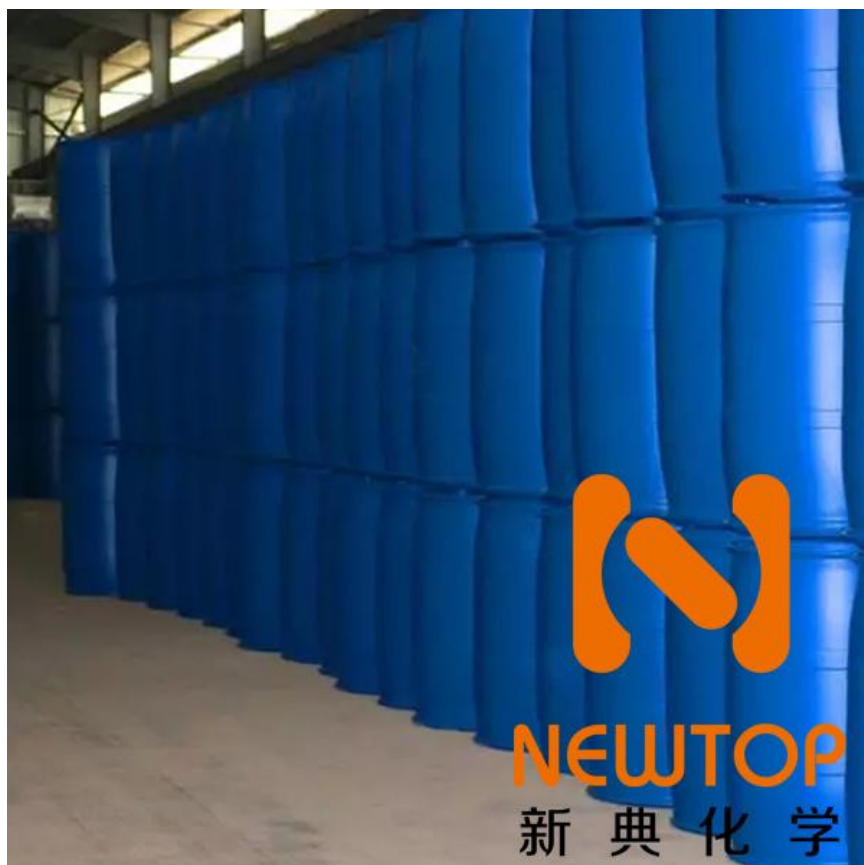
Boiling point: 189 ° C

Steam pressure (21 ° C) : 37Pa

Ignition point: 160°C Freezing point: below -70°C

Product Introduction

Toyocat ETS is A double (dimethylaminoethyl) ether also known as catalyst A1, catalyst A-1, BDMAEE. 70% bis (dimethylaminoethyl) ether dipropylene glycol solution, strong foaming catalyst, the domestic industry usually called it catalyst A-1 or A1. A1 catalyst is mainly used for the production of soft polyether polyurethane foam, and can also be used for hard foam packaging. A1 catalyst has a particularly strong catalytic effect on water, so the foam density can be reduced. It is about 80% effective in controlling reactions that produce gases and about 20% effective in controlling gel reactions. The catalyst activity is high, the amount is small, adjust the amount of this series, can control the foam rise and gel time. A1 and organotin catalyst shared, can make the production tolerance of foam significantly improved, to ensure that in the production will not cause unnecessary quality problems due to careless operation or small errors in the measurement system, the production of high-quality soft foam. A1 catalyst is widely used in the manufacture of polyurethane foam in a variety of formulations, especially suitable for the production of high resilience, semi-hard foam and low density foam.



Double (dimethylaminoethyl) ether, abbreviated: BDMAEE

Alias: Double (dimethylaminoethyl) ether, catalyst BDMAEE, Foaming catalyst BDMAEE, BDMAEE, Dabco BL-19, Toyocat ETS, Jeffcat ZF-20, Lupragen N205, PC CAT NP99, Addocat 9558, Toyocat ETS, Foaming catalyst, Polyurethane foaming catalyst

English name: bis(2,dimethylaminoethyl)ether; 2, 2 '-oxybis (N, N - dimethylethylamine)

Molecular formula: C₈H₂₀N₂O

CAS Number: 3033-62-3

Physicochemical properties:

The appearance of light yellow transparent liquid, can be infinitely soluble in water,

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water-soluble is alkaline.

Viscosity (25°C) : 1.4mPa.s

Density (25 ° C) : 0.85g/cm³

Flash point: 64-68 ° C

Freezing point: Below -70 ° C

Boiling point: 189 ° C

Steam pressure (21 ° C) : 37Pa

Ignition point: 160°C

The appearance is light yellow transparent liquid, can be infinitely soluble in water, the aqueous solution is alkaline, PKa1=10.1, PKa2=7.6. Viscosity (25 °C) 1.4 mPa s, density (25 °C) 0.85 g/cm³, flash point, 64-66 °C, the combustion limit of 1.0% ~ 5.1%.

Product Specification

Product catalyst A1 is light yellow transparent liquid at room temperature, soluble in water; Viscosity (25°C) : 4.1mPa.s; Density (25°C) : 0.902g/cm³; Flash point (PMCC) : 74°C; Vapor pressure (20 ° C) : 1.3Pa; Boiling range: 186-226°C.



Disclosure 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