

Triameen Y12D

Dodecyl Dipropylene Triamine

Triameen Y12D is a distilled dodecyl dipropylene triamine.

Specifications

Amine number	341-365 mg HCl/g
Color	≤ 2 Gardner
Water content	≤ 1.5 %

Characteristics

Active content (Dodecyl dipropylene triamine, CAS 2372-82-9)	88-94 %
Appearance	Yellow liquid
Density	865 kg/m ³ at 20°C
Flash point	≥65°C
Impurity 1 (N-Dodecylpropane-1,3-diamine, CAS 5538-95-4)	≤ 8 %
Impurity 2 (Dodecylamine, CAS 124-22-1)	≤ 1 %

Notes:

The impurities are part of the active substance as manufactured. All toxicological and ecotoxicological tests used to determine the classification and labelling of the active substance were done including the impurities. This is why they are not listed separately in chapter 3 of the SDS to avoid confusion.

Storage

To maintain color and quality, Triameen Y12D should be stored at a temperature of 10-30°C under nitrogen. If stored <10°C the product might become turbid. If so, it needs to be gently heated to 20°C and homogenized before use. Higher temperatures can be tolerated where color maintenance is not of concern. Prolonged heated storage in air can cause discoloration and degradation. Heated storage vessels should be sealed (with a vent pipe) and preferably be nitrogen blanketed. Amines can absorb carbon dioxide and water from the atmosphere even at ambient temperatures. Absorbed carbon dioxide and moisture can be removed by heating the product in a controlled way.

Additional information

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a lowercase, sans-serif font.