

SiVance®

Specialty Silicones

Hexamethyldisilazane

Technical Data

Description

SiVance Hexamethyldisilazane (Bis(trimethylsilyl)amine) is a trimethylterminated silylamine.

Recommended Use

Hexamethyldisilazane (HMDS) is most commonly used as a blocking agent to protect hydroxyl groups in naturally occurring or semisynthetic compounds; for example, cephalosporins and prostaglandins.

The trimethylsilyl derivative prevents chemical reactions at the protected site, allowing other functionalities to be modified.

Deprotection by mild acids or bases regenerates the original hydroxyl functionality. The major advantage in the use of HMDS for blocking is that both the blocking and deblocking reactions give high yields.

Typical Properties

| | |
|---------------------------|--------------|
| Product Code | 3000063628 |
| CAS Number | 999-97-3 |
| Molecular Weight (g/mol) | 161.4 |
| Specific Gravity, at 25°C | 0.768 |
| Boiling Point | 126°C |
| Flash Point, TCC | 13°C |
| Purity | 98% |
| Appearance | Clear liquid |

Values shown are not intended for specification preparation

Handling and Storage Precautions

If stored for longer than one year, the material should be reevaluated prior to use. Store the container in a cool, dry area. Keep the container tightly closed when not in use.

HMDS liberates ammonia on exposure to moisture.

Additional safety, environmental and regulatory issues are addressed in the Safety Data Sheet.

Please contact your SiVance Representative for additional information.

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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