

## Silsource SS-5012 Silane Fluid

### PRODUCT DESCRIPTION

SS-5012 is a Hexamethyldisilazane trimethyl-terminated silylamine fluid, also known as (Bis(trimethylsilyl)amine) or as HMDZ/HMDS with a purity of  $\geq 98\%$ .

#### TYPICAL PRODUCT DATA

*(not intended for use in preparing specifications)*

<u>Property</u>	<u>Value</u>
Appearance:	Clear Liquid
Boiling Point:	126°C
Specific Gravity (25°C):	0.768
Molecular weight (g/mol):	161.4
CAS:	999-97-3
Purity:	$\geq 98\%$
Flash point, (TCC):	13°C

### PACKAGING AND AVAILABILITY

SS-5012 is supplied in 155 Kg. drums.

Samples are available upon request.

### PRODUCT SAFETY INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND CONTAINER LABELS AND SAFETY DATA SHEET FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

### LIMITATIONS

Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

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### TYPICAL APPLICATION

SS-5012 Hexamethyldisilazane (or HMDZ) is used as a blocking agent to protect hydroxyl groups in naturally occurring and semisynthetic compounds when used in chemical reactions in industrial synthesis.

The major advantage in the use of HMDZ for blocking is that both the blocking and deblocking reactions give high yields.

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

Mild acids or bases can be used for deprotection to regenerate the original hydroxyl functionality.

### STORAGE AND SHELF LIFE

Shelf life is 12 months from date of shipment.

If stored for longer than one year, the material should be re-evaluated prior to use.

Store the container in a cool, dry area. Keep the container tightly closed when not in use.

HMDZ liberates ammonia on exposure to moisture.