

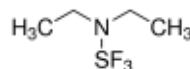
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
(Diethylamino)sulfur trifluoride solution - 1.0 M in dichloromethane

Product Number: 774642



Formula: C<sub>4</sub>H<sub>10</sub>F<sub>3</sub>NS  
Formula Weight: 161.19 g/mol  
Storage Temperature: 2 - 8 °C

TEST	Specification
------	---------------

Appearance (Color)

Colorless to Dark Yellow and Faint  
Orange to Dark Orange and Faint Brown to Dark Brown and  
Orange-Brown and Brown-Orange and Yellow-Brown and  
Brown-Yellow

Colorless to Light Yellow to Orange, Brown or Amber

Appearance (Form)

Liquid

Proton NMR Spectrum

Conforms to Structure

Fluorine NMR Spectrum

Conforms to Structure

Titration with NaOH

0.95 - 1.10 M

Expiration Date Period

9 Months

Specification: PRD.0.ZQ5.10000043284

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.