

SiVance®

Specialty Silicones

Divinyltetramethyldisilazane

Technical Data

Description

SiVance Divinyltetramethyldisilazane is a reactive silylamine containing silicon vinyl functional groups.

Recommended Use

Divinyltetramethyldisilazane is used as a blocking agent of active hydrogen sites such as alcohols, thiols, amines and carboxylic acids during the synthesis of various pharmaceutical products. The advantage of this reagent is that the only by-product is ammonia which often can be readily removed from the reaction medium. Reactions can then be carried out elsewhere in a molecule. Vinyl dimethylsilyl blocked sites are more stable towards acids than trimethylsilyl blocked sites, but have similar stability towards bases. The blocked site can later be regenerated by exposure to water or low molecular weight alcohols under mild acidic or basic conditions.

Divinyltetramethyldisilazane is also used in the synthesis of vinylsilane terminated polydimethylsiloxanes.

Typical Properties

Product Code	3000063790
CAS Number	7691-02-3
Molecular Weight (g/mol)	185.42
Specific Gravity, at 25°C	0.82
Boiling Point	161°C
Flash Point, TCC	52°C
Purity, by GC	97%
Appearance	Clear liquid

Values shown are not intended for specification preparation

Handling and Storage Precautions

If stored for longer than the shelf-life, the material should be reevaluated prior to use. Store the container in a dry area under room temperature conditions. Keep the container tightly closed when not in use.

Divinyltetramethyldisilazane is a reactive chemical which 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.

© 2019 SiVance LLC. All rights reserved. This document is provided for information purposes only; contents are subject to change without notice. It is not warranted to be error-free, nor subject to any other warranties or conditions including implied warranties and conditions of merchantability or fitness for a particular purpose.

millikenchemical.com/sivance

SiVance, LLC is a subsidiary of Milliken & Company
4.11.19

 | SiVance, LLC