



Lithium Bistrimethylsilylamide LiHMDS

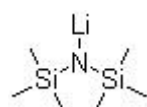
Description:

Chemical Name: Lithium bis(trimethylsilyl)amide

Synonyms: 1,1,1,3,3,3-Hexamethyldisilazane lithium salt; Lithium hexamethyldisilazide;

Equivalents:

Molecular Structure:



Molecular Formula: C₆H₁₈LiNSi₂

Molecular Weight: 167.32

CAS NO.: 4039-32-1

EINECS NO.: 223-725-6

Special Features:

Non-nucleophilic strong bronsted base, which is generally soluble in most of the nonpolar organic solvents. Dimer in the gas phase. A mixture of monomers and dimers in tetrahydrofuran. In the absence of solvent, this compound is a dimer in solution and a trimer in solid.

Typical Technical Properties:

Appearance: White powder

Flash Point: 114~116°C

Melting Point: 71~72°C

Applications:

Used in organic reactions like generating enolates for the preparation of lactone precursors, pyranones, and cyclohexanes;

Used to catalyze the addition of phosphine P-H bonds to carbodiimides leading to phosphaguanidines. Also used in a novel three-step synthesis of disubstituted 1,2,5-thiadiazoles.

Package & Storage:

In 50L or up to clients request.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.