
Hexamethyldisilazane
RUT HMDSZ**Application**

Hexamethyldisilazane is a reagent and a precursor to bases that are popular in organic synthesis and organometallic chemistry. It is modifying additive for various polymers in order to give them water, frost and heat resistance. In the pharmaceutical industry: a valuable raw material for the production of antisclerotic drugs and synthetic antibiotics.

CAS No.

999-97-3

Molecular Formula

$[(CH_3)_3Si]_2NH$

Molecular Weight

161.4

Appearance & Property

Colorless transparent flammable liquid with a strong specific odor. It has basic properties. It is easily hydrolyzed by water and reacts with alcohols. It dissolves in inert organic solvents.

Universal silylating agent.

Typical product data

purity: $\geq 99.0\%$

refractive index (n_D^{25}): 1.3950 - 1.4050

density (ρ^{25} , g/cm³): 0.775

boiling point: 125 - 126°C

flash point: 11°C

Hazard Class

3 (6.1)

Package Group

II

Package

Steel drums, tank-containers.

Storage

Keep in a cool, dry, well ventilated place away from sources of heat and open flame. Keep in a tightly closed original container. Protect from moisture. Storage period: 12 months.

Safety information

Ship according to regulations for dangerous chemical products.

Flammable liquid and vapor. Causes severe skin burns and eye damage.

Use personal protective equipment when working with the product; work in a well-ventilated area.