
Hexamethyldisiloxane**HMDSO****Application**

Intermediate for the synthesis of silicone polymers; in the cosmetic and pharmaceutical industry it is used as a dispersant and plasticizer.

CAS No.

107-46-0

Molecular Formula

$(\text{CH}_3)_3\text{SiOSi}(\text{CH}_3)_3$

Molecular Weight

162.38

Appearance & Property

Colorless clear liquid.

Typical product data

content of HMDSO: $\geq 99.0\%$ density (ρ^{25} , g/cm³): 0.762—0.770

refractive index (n_D^{20}): 1.3748 ± 0.002

melting point: -59°C , boiling point: 100.5°C

flash point: -1°C

chroma/Platinum-cobalt scale/Hazen unit: ≤ 20 , content of water, (ppm): ≤ 500

Hazard Class

3

Package Group

II

Package

Steel drum, net weight 150kg.

Storage

Store in a cool, dry, well-ventilated area away from sources of fire and heat. Keep container tightly closed. Storage life: 1 year.

Safety information

Ship according to regulations for dangerous chemical products. It is a flammable liquid. Very toxic to aquatic life and very toxic to aquatic life with long lasting effects. Avoid release to the environment. Use personal protective equipment, work in a well ventilated area.