

Decamethylcyclopentasiloxane

Description

Organosilicon compound with the formula $[(CH_3)_2SiO]_5$.

Features

- Cyclic volatile methylsiloxane;
- considered an emollient;
- insoluble in water, but readily forms an emulsion with it;
- well soluble in benzene;
- partially soluble in toluene, xylene, ethyl ether, butanol and ethyl alcohol.

Special features

Can be used:

- as a monomer in the production of polymeric materials;
- as an ingredient in primers, foundations, moisturizing creams, antiperspirants, sunscreens, shampoos, conditioners and other skin and hair care products.

Methods of application

According to the technological regulations in effect at the customer's enterprise.

Product specification

Appearance	Colorless transparent liquid without visible impurities
Color, mg Pt-Co/l	≤ 10
Density at (20,0±0,5) °C, g/cm³	0.958
Kinematic viscosity at (25.0±0.5), mm²/s	3.8-4.2
Mass fraction of non-volatile substances, %	$\leq 0,10$
Mass fraction of Decamethylcyclopentasiloxane, %	≥ 98.5
Mass fraction of Octamethylcyclotetrasiloxane, %	≤ 0.2
Mass fraction of other methylcyclosiloxanes, %	≤ 1.5

To obtain more information please contact your local representative of Unisil Hungary Kft.

LIMITED WARRANTY INFORMATION PLEASE READ CAREFULLY

The information contained herein is accurate, but it does not relieve the customer from the control of each batch of products supplied. Since the conditions and methods of use of our products are beyond our control, the recommendations contained in this document should be updated by the client providing preliminary tests. Recommendations for use should not be construed as a guarantee of product suitability for a particular purpose. Unisil Hungary Kft only guarantees that the product meets its specifications in effect at the time of delivery.

Storage

Store in tightly closed original packaging at temperatures up to 30 °C.

Store in a cool, dry, well-ventilated place away from areas presenting a fire hazard and away from oxidizing agents, acids and alkalis.

The shelf life in the manufacturer's container is 24 months.

Storage longer than the date indicated on the label does not necessarily mean further unsuitability of the product. However, if the shelf life is exceeded, the properties of the product should be checked before use.

Packing

- Polyethylene barrels with capacity up to 220 dm³;
- steel barrels with a capacity of 200 dm³;
- polymeric containers with capacity up to 1 m³.

Safety instructions

Detailed instructions are given in the relevant product safety data sheet. It can be provided upon request from the Unisil Hungary Kft or printed from the website Unisil Hungary Kft www.unisil.eu.