

technical data sheet

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Description

Dimethicone 100 is a linear silicone fluid. Dimethicone is available in a wide range of viscosities from 0.65 – 100,000 cSt.

Applications

Dimethicone 100 is primarily used as an emollient in personal care products such as skin care, antiperspirants, deodorants, hair care and cosmetics. Dimethicone is also widely used as a foam control agent, lubricant and release agent

Product Features

Dimethicone's performance as a personal care product is generally determined by its viscosity; lower viscosities impart a silkiness without any residue, whilst higher viscosities provide excellent emollient performance, spread-ability and conditioning.

Dimethicone 100 is non-toxic and non-irritating and is approved as a food additive and/or for use in food contact applications by most national or international regulatory agencies. "Dimethicone" is the International Nomenclature of Cosmetic Ingredients (INCI) name for polydimethylsiloxane and is referred to by this chemical name in several FDA, EU and other international regulations.

Method of Use

The method of use and dosage of Dimethicone 100 will vary by application and should be determined by trial and in line with specific regulations that may apply to the application.

Product Safety

A Safety Data Sheet compliant with EU 2015/830 is available for Dimethicone on request. It contains any safe handling guidelines that may be relevant to this product.

Storage, Shelf Life & Packaging

Dimethicone 100 has a shelf life of 12 months when stored in original and unopened containers between 5°C and 30°C. This product is typically available in 25, 220 and 1000 litre containers. Please note that it is sold in kilograms and the actual capacity of a container (in kg) is dependent upon the specific gravity of its contents.

Compliance

- US FDA CFR 21 173.340 (Defoaming Agents)
- EU Regulation (EC) 1333/2008 (Food Additives)
- EU Regulation (EU) 231/2012 (Specifications for food additives listed in Annexes I and II of (EC) 1333/2008)

Typical Properties

- Appearance: Clear fluid
- Viscosity: 95 – 105 mm²/s
- Density: 0.955 – 0.975 g/cm³
- Refractive Index: 1.395 – 1.410

Please note; these are typical properties only and should NOT be construed or used as a specification for this product.

(OPM3/D3)

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This product is manufactured in a facility whose Quality Management System is certified as being in conformity with ISO 9001:2015.



This product is manufactured in a facility which operates in line with the Chemical Business Association's Responsible Care program.

Technical Support Contact Details

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