



Technical Data Sheet

DOWSIL™ BY 25-337 Silicone Emulsifier

INCI Name: PEG/PPG-19/19 Dimethicone (and) C13-16 Isoparaffin (and) C10-13 Isoparaffin

Features & Benefits

- Water-in-oil and water-in-silicone emulsifier
- Crystal clear
- Low odor
- Allows the preparation of:
 - Clear, soft to hard silicone gels
 - Pigmented silicone gels
 - Low to high water content W/Si emulsions
 - Emulsions with mixed oil phases (oil + silicone)
- Texture (thickening) enhancer for W/O and W/Si systems.

Composition

- 50% Silicone Polyether

Applications

- Emulsifier for water-in-oil and water-in-silicone emulsions.
- Can be used in a wide range of Personal Care applications such as:
 - Skin care
 - Color cosmetics
 - Sun care
 - Hair care
 - Antiperspirants/deodorants

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Clear viscous liquid
Viscosity	mPa.s	1,500–9,000
Specific gravity		0.87
Non-volatile content	%	50
Flash point – closed cup	°C	82.5
Refractive index		1.43

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Description	<p>DOWSIL™ BY 25-337 Silicone Emulsifier is a crystal clear 50% dispersion of a high molecular weight silicone surfactant (polyoxyethylene/polyoxypropylene copolymer) in Isoparaffin.</p> <p>It is designed to prepare clear gels of low viscosity silicone fluids such as Dimethicone, Caprylyl Methicone (DOWSIL™ FZ-3196 Fluid) but also with organics such as Isododecane, Isohexadecane.</p> <p>DOWSIL BY 25-337 Silicone Emulsifier can also be used to prepare water-in-silicone or mixed oil phases emulsion systems to deliver both non-polar and polar ingredients.</p>
How To Use	<p>Stable water-in-oils emulsions can be prepared by slowly adding water to the oil phase using a variety of common mixing devices.</p> <p>The oil phase should be prepared first by mixing DOWSIL BY 25-337 Silicone Emulsifier with the selected low viscosity silicone fluid.</p> <p>Clear gels can be made by adding a small amount of water.</p>
Handling Precautions	<p>PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.</p>
Usable Life And Storage	<p>540 days from the date of production.</p>
Packaging Information	<p>This product is available in 16 kg pails and 160 kg drums.</p> <p>Samples are available in 100 g bottles.</p>
Limitations	<p>This product is neither tested nor represented as suitable for medical or pharmaceutical uses.</p>
Health And Environmental Information	<p>To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.</p> <p>For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.</p>

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