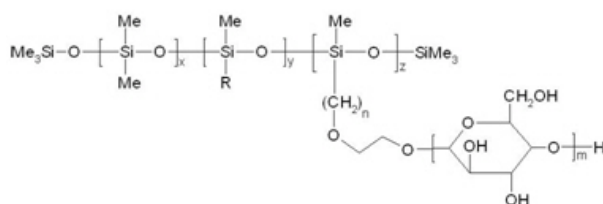


BELSIL® SPG 128 VP

CYCLOPENTASILOXANE, CAPRYLYL DIMETHICONE ETHOXY GLUCOSIDE

Product description

Structural formula:



BELSIL® SPG 128 VP is supplied as a 20 % active solution in cyclopentasiloxane. The silicone polyglucoside contained in this solution is a nonionic surfactant with an HLB of approximately 6-7. This silicone polymer is synthesized using a renewable, sugar-based component.

Silicone polyglucosides are surface-active silicone surfactants known for their mildness and gentleness. These materials are not employed as primary surfactants as they do not produce a significant amount of foam on their own.

Application

BELSIL® SPG 128 VP was designed specifically as a water-in-oil or water-in-silicone emulsifier for

compositions comprising volatile silicones or non-polar organic fluids as the continuous phase. Water-in-silicone formulations are noted for imparting a soft and velvety feel to the skin and for their excellent spreading properties.

BELSIL® SPG 128 VP is an excellent emulsifier for water-in-oil an water-in-silicone systems in skincare, suncare an decorative cosmetics.

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

Product data

Typical general characteristics	Inspection Method	Value
Appearance		clear to translucent, yellowish, liquid
Viscosity, dynamic at 25 °C		approx. 50 mPa.s
Density at 20 °C		approx. 0,96 g/cm ³
Solids content		approx. 20 %
Refractive index at 25 °C		1,400
Flash point	EN 22719	72 °C
HLB value		6 - 7
INCI name		Cyclopentasiloxane, Caprylyl Dimethicone Ethoxy Glucoside

These figures are only intended as a guide and should not be used in preparing specifications.

Additional information

Solubility

Ingredient	BELSIL® SPG 128 VP	Ingredient	BELSIL® SPG 128 VP
Mineral oils / waxes		Triglycerides	
Mineral oil (high-visc.)	-	Castor oil	-
Mineral oil (low-visc.)	-	Olive oil	-
Ozokerite wax	-	Wheatgerm oil	-
C9-13 isoparaffin	✓	Lanolin oil	-
		Caprylic/Capric Triglycerides	-
Esters / Ester oils			
Ethyl acetate	✓	Alcohols & water	
C12-15 alkyl benzoate	-	Octyl dodecanol	-
Decyl oleate	-	Oleyl alcohol	-
Oleyl oleate	-	Isopropanol	✓
Isopropyl myristate	✓	Ethanol	✓
Isopropyl palmitate	✓	Propylene glycol	-
		Glycerol	-
Emulsifiers / ethoxylated oils		Water	-
PEG-75 Lanolin oil	-		
PEG-7 Glyceryl cocoate	-	Silicone fluids	
PPG-5-Laureth-5	-	Cyclopentasiloxane	✓
		Disiloxane (BELSIL® DM 0.65)	✓
UV-Filters		Dimethicone (BELSIL® DM 1 Plus)	✓
Ethylhexyl Methoxycinnamate	-	Dimethicone (BELSIL® DM 10)	✓
Ethylhexyl Salicylate	-	Trimethylsiloxyphenyl Dimethicone (BELSIL® PDM 20, PDM 350 VP)	✓

✓ = soluble (> 10%)

p = partially soluble (1 - 10%)

- = insoluble

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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For technical, quality, or product safety questions, please contact:

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