

PEG-8 Dimethicone

Specification Sheet

Description: PEG-8 Dimethicone is a water soluble nonionic dimethicone copolyol. HLB 10. Molecular weight 5500Da

CAS: 68937-54-2

INCI Name: PEG-8 dimethicone

Composition: PEG-8 dimethicone

Appearance: Clear liquid, bland odor.

Benefits:

- Improves skin feel.
- Detackifies ingredients in formulas.
- Adds additional moisturization to surfactant systems (shampoos, cleansers, shower gels) due to emolliency properties.
- Adds slip to carbomer based formulas.

Use: Typical use level 1-5%. Add to water phase of formulas but do not heat over 50°C/125°F. Can also be mixed into emulsions after the temperature dropped to 50°C/125°F. For external use only.

Applications: Creams, lotions, hair care products, shower gels, sun care, makeup.

Solubility: Water-soluble.

Preservation: Preservative-free.

Storage: Store in a closed container at a dry place at room temperature.

Country of Origin: USA

Raw material source: Dimethyldichlorosilane, polyoxyethylene and water.

Manufacture: Dimethicone is made from dimethyldichlorosilane which is produced by powdered silicon (silicone dioxide) and methyl chloride. Dimethyldichlorosilane is then hydrolyzed to give a hydrolysate of polysiloxanes. In a polymerization reaction with water the polysiloxanes are then polymerized to a linear

silicone polymer (dimethicone). Dimethicone is then further reacted with polyoxyethylene to form PEG-8 dimethicone.

Animal Testing: Not animal tested.

GMO: GMO-free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components.

HS Code: 3910000000

Proposition 65: WARNING: This product can expose you to chemicals including ethylene oxide (10 ppm max) and 1,4-dioxane (10 ppm max) which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov