

PEG-8 Dimethicone

Specification Sheet

Description: PEG-8 Dimethicone is a water soluble nonionic dimethicone copolyol. Clear liquid, HLB 10, molecular weight 5500. Bland odor. Water soluble.

CAS: 68937-54-2

INCI Name: PEG-8 dimethicone

Benefits:

- Improves skin feel
- De-tackifies ingredients in formulas
- Adds additional moisturization to surfactant systems (shampoos, cleansers, shower gels) due to emollient 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.

Country of Origin: USA

Raw material source: Dimethyldichlorosilane, polyoxyethylene and water

Manufacture: Dimethicone is made from dimethyldichlorosilane which is produced by powdered silicon (silicon 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