



Technical Data Sheet

Polysilicone-15

Product Name: Polysilicone-15

Alisa: DIMETHICO-DIETHYLBENZALMALONATE;PARSOL SLX;POLYSILICONE-15;
BENZYLIDENEMALONATEPOLYSILOXANE

CAS No: 207574-74-1

Properties: The sunscreen band is 290-340nm, which can absorb UVB. It is a chemical sunscreen. It is the first polymeric UVB filter composed of the chromophores adsorbed on the silicon chain skeleton, and it is also an effective light stabilizer

Specification:

Test Items	Test Specification
Appearance:	Colourless to light yellowishLiquid
Identity:(IR, USP)	> 0.95
Refractive index, nD 20:	1.440 - 1.445
UV specific extinction:	160 - 190
Viscosity (25°C):	600 - 1000 mPa.s
Heavy metals:	≤ 10.0 ppm
Methanol:	≤ 50.0 ppm
Isopropanol:	≤ 50.0 ppm
D4 (octamethylcyclotetrasiloxane)	≤ 0.1%
D5 (decamethylcyclopentasiloxane)	≤ 0.1%

Function:

Oil-soluble liquid UVB filter, can also be used in hair care, hair color products, good stability, low irritation. When used in combination with other UV filters, it creates a synergistic effect and increases the SPF value, providing both a highly effective sun protection effect and a dry, silky skin feeling. When added to hair care products, it strongly stays on the hair and provides multiple benefits, including preventing hair fading, increasing gloss and hair conditioning. It is approved for use in Australia and Japan, but has not been approved by the US FDA.

Packing: Net weight 25kg/ drum

Shelf life: 2 years

Storage and transportation: this product should be stored in a cool and dry environment.