

SILICONE FLUIDS Product Bulletin

KROMASIL ESA

INCI Name: Cyclohexasiloxane

Description

KROMASIL ESA is a volatile silicone fluid composed by cyclomethicone hexamer. It is the perfect replacement for Cyclopentasiloxane. It's a colorless and transparent liquid, without odor. It's easy to use and spread, and impart soft and silky feel to skin and hair. It is widely used in a wide range of cosmetics products such as make-up, skin care, hair care, sunscreen, antiperspirant, deodorant products.

Typical properties (not intended as product specification)

Appearance	colorless, transparent liquid
Color (Hazen)	20
D6 content (%)	92.0
D5+D6 content (%)	95.0
Dry residue (150 °C, 3h, %)	0.15
Acid value (mg KOH/g)	0.01
Water (%)	0.025

Properties

- Highly volatile silicon oil
- Excellent Stability
- Dry and silky skin feel
- Reduce surface tension, help to disperse pigments
- Excellent spreadability

Applications

- Skin care, sunscreen products
- Make-up
- Hair care products
- Antiperspirants, deodorants

Formula Guidelines

Kromasil ESA is compatible with many cosmetic ingredients, even some waxes, fatty acids, fatty acid esters and non volatile silicones. Mutual soluble with alcohol. Can use singly or with other ingredients.

Storage & Handlings

Standard packing: 190 kg drums.

Storage: keep in a cool, dry, ventilated and lightness place.