



TECHNOLOGY MAKES LIFE BETTER

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安徽艾约塔硅油有限公司

IOTA CORPORATION LTD.

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TDS of IOTA 96211 Silicone Elastomer Gel

Cyclopentasiloxane (and) Vinyldimethicone/ Dimethicone Ethoxy Glucoside Crosspolymer [INCI/CTFA]

Benefits

1. Wide and natural source of raw materials
2. Self-emulsifying effect ,low-temperature processing
3. Acts as a thickening agent for W/O and W/Si formulations
4. Provides dry smoothness and a light silky skin feel

Description

This product is a mixture of high molecular weight Vinyldimethicone/ Dimethicone Ethoxy Glucoside Crosspolymer in Cyclopentasiloxane. It is a transparent gel having self-emulsifying effect due to Glucose, which allow it to be formulated into W/O emulsions, W/Si emulsions, O/W emulsions to provide dry smoothness and a light silky skin, non-greasy feel.

Technical index

Appearance: Colorless and transparent gel

Non-volatile content (% , w/w): 15~20

Viscosity(cP, S94, 2.5RPM, 25°C): 30,000~100,000

Applications

Various kinds of personal care products such as facial mask, water cream and essence.

How to use?

This product could be dispersed into the oil-phase using simple mixing.

- It can be added to the oil phase or silicone phase in an emulsion formulation;
- It can be post-added to emulsions provided the emulsion is viscous enough for the products to be dispersed.
- For ease use, blending with Dimethicone or Cyclomethicone to reduce its viscosity.

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- When heating, the material should be processed in an enclosed vessel to prevent the Cyclopentasiloxane from volatilizing.
 - The recommended processing temperature should be under 60°C.

The product would become very thick or even lumpy after a period of time. This is normal and it will recovery to original state after slightly agitate. The recommended usage level is 1%-20%.

Package

Packed in 20kg plastic drum or 200kg iron drums.

Storage and Transport

This product is non-dangerous. In storage and transportation, prevent from the exposure of moisture, acids, alkalis, the sun and rain directly. The product has 24 months shelf life from the date of production at room temperature in seal-tight condition. The storage temperature should under 60°C.

Cautions

This product is neither tested nor suggested in the medical and pharmaceutical applications.

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