



TECHNOLOGY MAKES LIFE BETTER

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## TDS of IOTA 9600D Silicone Elastomer Gel

### **Cyclopentasiloxane (and) Dimethicone/Vinyldimethicone Crosspolymer**

#### **[INCI/CTFA]**

#### **Features**

1. Translucent silicone elastomer gel
2. Silky, smoothing touch
3. Slight sebum absorbing.

#### **Benefits**

1. Room temperature processing
2. Act as a thickener in w/o systems
3. Reduce the stickiness properties of the formula
4. Facial functions

#### **Description**

IOTA 9600D Silicone Elastomer Gel is a blend of cyclopentasiloxane and dimethicone/vinyldimethicone crosspolymer, it is a translucent gel. This product could be dispersed in oil phase excellently. It can be formulated into W/O emulsions, water-in-silicone oil, and O/W emulsions and anhydrous products to provide dry smoothness and a light silky skin, non-greasy feel.

#### **Technical index**

Appearance: Colorless or pale yellow translucence gel

Penetration degree (1/10mm): 300-450

Non-volatile content (% , w/w): 12.00-12.75

#### **Application**

This product can be used in skin care, hair care, and other potential formulations, such as sun care, color cosmetics, and styling aid, etc.

#### **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;

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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 may reduce its viscosity.

When heat is used, the material should be processed in an enclosed vessel to prevent the cyclopentasiloxane from volatilizing;

The recommended processing temperature is not over 60°C.

The suggested usage level is 1-20%

#### **Package**

Packed with 20kg plastic drum or 200kg metal drum.

#### **Storage and transportation**

It is a non-dangerous product. In storage and transportation, prevent from the exposure of moisture, acids, alkalis, the sun and rain directly. The product has 12 months shelf life from the date of production at room temperature in seal-tight condition. The storage temperature could not be over 60°C.

#### **Cautions**

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

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