



TECHNOLOGY MAKES LIFE BETTER

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安徽艾约塔硅油有限公司

**IOTA CORPORATION LTD.**

Sunmoon industry park, 985 Xingzhong Road,  
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## TDS of DIMETHICONE IOTA DM 10

### DIMETHICONE IOTA DM 10

**Description:** IOTA DM 10 is a linear polydimethylsiloxane fluid with a low viscosity and low molecular weight.

#### Applications:

- Skin care - Creams and lotions: Recommended use levels 0.5–2% for a soft feel and 5–10% for a protecting effect.
- Deodorants and antiperspirants: Recommended use levels 0.5–2% for detackification.
- Make up removers, shaving lotions and shaving foams: Recommended use levels 0.5 – 2%
- Sun products: Protection and waterproof effect- Recommended use levels 1-10%.

#### Characteristics:

| Properties                                     | IOTA DM 10       |
|--|------------------|
| Appearance                                     | Colorless liquid |
| Odor   | Odorless         |
| Viscosity at 25°C, mm <sup>2</sup> /s, approx. | 10               |
| Density, gms/cm <sup>3</sup>                   | ≤0.936           |
| Melt Point, °C, approx                         | -60              |
| Pour Point, °C, approx                         | -100             |
| Surface tension at 25°C, mN/m, approx          | 20.1             |
| Coefficient of Expansion, approx.              | 0.00108          |
| Flash point (closed cup) , °C                  | ≥160             |
| Thermal conductivity, at 50°C (122°F), approx. | 0.00032          |
| Viscosity/temperature coeff. [1], approx.      | 0.56             |
| AcidValue                                      | Trace            |

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[1] Viscosity/temperature coefficient =1- (Viscosity at 99°C/Viscosity at 38°C)

**Soluble in:** Chlorinated Solvents, Aromatic Solvents, Aliphatic Solvents, Dry Alcohols.

**Insoluble in:** Water

**Packaging:**

IOTA DM 10 is available in 200 L iron drum, net weight 190kg, 20 kg iron drum and 950kg IBC packing.

**Storage and shelf life:**

When stored in its original unopened packaging, at a temperature of below +30°C, IOTA DM 10 may be stored for up to 36 months from the date of manufacture clearly marked on

the packaging.

Beyond this date, IOTA no longer guarantees that the product meets the sales specifications.

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