



TECHNOLOGY MAKES LIFE BETTER

安徽省蚌埠市高新区兴中路 985 号
日月科技园

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安徽艾约塔硅油有限公司

IOTA CORPORATION LTD.

Sunmoon industry park, 985 Xingzhong Road,
Bengbu, China 233000

Tel: 86-552-3827158

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TDS of IOTA 1501 Cyclopentasiloxane (and) Dimethiconol

DESCRIPTION

IOTA 1501 Fluid is a blend of approximately 15% of an ultra high viscosity dimethiconol in cyclo-pentasiloxane. The skin feel of IOTA 1501 Fluid has been demonstrated to be equivalent to that of IOTA 1401 Fluid.

BENEFITS

- Film forming
- Imparts soft velvety skin feel
- Conditions hair, especially split ends
- Long lasting, resistant to wash off
- When used in deodorants
 - Long lasting fragrance retention capacity (up to 24 hrs)
 - Immediate drying
 - No burning sensation
 - Soft and smooth feel
- Preference over alcohol when used in deodorant formulation

APPLICATIONS

Areas of potential use for IOTA 1501 Fluid encompass a wide range of Cosmetic and Toiletry applications such as:

- Skin Care
- Color Cosmetics
- Sun Care
- Hair Care
- Shower Gels
- Antiperspirants and Deodorants

TYPICAL PROPERTIES

Test	Unit	Value
Appearance		Clear viscous fluid

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Non- volatile content	%	14-15
Viscosity at 25°C (77°F)	mm ² /s	6000-8000
Refractive index at 25°C (77°F)		1.397
Flash point	°C	> 68

COMPATIBILITY

Type of material	
Water	I
Ethanol (200 proof)	up to 26%
Propylene Glycol	I
Octyl Methoxycinnamate	up to 12%
Hydrocarbons	
Mineral oil - 8mm ² /s	up to 58%
Isododecane	C
Isopar H	C
Oils	
Almond oil	up to 9%
Castor Oil	I
Jobba oil	up to 14%
Soybean oil	up to 8%
Sunflower oil	up to 9%
Esters	
Isopropyl Myristate	C
Isopropyl Palmitate	up to 79%
Octyl Palmitate	up to 53%
C ₁₅ -C ₁₇ Alcohol benzoate	up to 35%
Capric/Caprylic Triglycerides	up to 32%
Octyldodecanol	up to 23%

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Oleyl Alcohol	up to 13%
Silicones	
Dimethicone (All viscosities)	C
Phenyl Trimethicone	C

C: Compatible all ratios I: Incompatible all ratios

Up to: X% of the tested material is compatible with the remaining % of IOTA 1501 Fluid.

STORAGE

Product should be stored at or below 25°C (77°F) in original, unopened containers.

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