

Lotioncrafter

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Lotioncrafter 1550

INCI: Phenyl Trimethicone

DESCRIPTION

Lotioncrafter 1550 is phenyl substituted silicone fluid for use in cosmetic and hair care formulations.

BENEFITS

- Excellent compatibility with organic material and various cosmetic ingredients.
- Low residue
- High refractive index
- Anti-stick qualities
- Colorless and odorless
- Feels smooth on skin
- Excellent solvency

APPLICATIONS

Hair Care: Hair Spray, Conditioners, Serums, and Treatments
Skin Care: Sweat Inhibitor (aerosol, stick, and roll-on types)
Cosmetics: Volatile Ingredient for Powder Cosmetics

Phenyl Trimethicone imparts the following enhancing properties in hair care, skincare and other cosmetic products:

- A high degree of gloss and sheen
- Improved emolliency and water repellency in skincare products
- Detackification and emolliency in cosmetic products
- Heat resistance in hair care applications.
- Non-oily emolliency and anti-whitening properties in antiperspirants.

TYPICAL PROPERTIES

| | |
|---------------------|--------------------|
| Color | Transparent Liquid |
| Odor | None |
| Solubility in Water | Not Soluble |
| Refractive Index | 1.498 |
| Viscosity | 15 cps |
| Specific Gravity | 0.995 |

Flash Point (closed cup) 130°C (266°F)

USABLE LIFE AND STORAGE

Store below 25°C (77°F) in a dry place away from all sources of ignition. Store in tightly closed containers. Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke in the work area. Care should be taken when handling volatile fluids at temperatures 10°C (50°F) below the quoted flash point. When properly stored, this product has a usable life of 30 months from the date of production.

FORMULATING WITH PHENYL TRIMETHICONE

Phenyl Trimethicone is a high refractive index silicone fluid with excellent organic compatibility. It is used in antiperspirants as an anti-whitening agent. It is a compatibilizer between silicones and organic chemicals that might otherwise not mix well. It is used as an actives carrier in sunscreens. It helps to incorporate cyclomethicone and dimethicone into formulations to improve product stability and co-emollient good skin feel. Although a volatile silicone, it is non-drying and when used in lipsticks it provides gloss and added emollience. As little as 1% can be used in a hair serum or spray to add high sheen.

Suggested Usage Rates

| | | | |
|-----------------------|----------|-------------|------------|
| Antiperspirant Sticks | 5% - 10% | Hair Sprays | 0.5% - 20% |
| Sunscreen Lotions | 2% - 8% | Hair Serums | 1% - 20% |
| Creams and Lotions | 2% - 5% | Lipsticks | 1% - 3% |

LIMITATIONS

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

LIMITED WARRANTY – PLEASE READ CAREFULLY

The information contained herein is offered in good faith based on Lotioncrafter's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to insure that Lotioncrafter's products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.