

FACT SHEET

NANOMIZE® Zinc

PRODUCT OVERVIEW

NANOMIZE® zinc is the next generation of advanced Nanoparticles tailored specifically to sunscreens formulations with highly optimized engineering to achieve excellent UV filters nano constituents that don't penetrate human skin but stick to the outer layer with high waterresistance capabilities.

FEATURES AND KINETICS

- Broad UV protection (scatter, reflect, absorb)
- Non-penetrating, adheres to stratum corneum
- Maleate copolymer film ensures water resistance
- Long-lasting surface barrier with high SPF

MECHANISM OF ACTION

1. **UV Defense** - Blocks rays through scattering, reflection, and absorption.
2. **Enhanced Shielding** - Nanoparticle design maximizes UV protection.
3. **Long-Lasting Barrier** - Co-polymer film provides water resistance and strong adherence.

KEY INGREDIENTS

- Nanoparticles of ZincOxide
- Maleate-Derivative Copolymer Film Former

STORAGE CONDITIONS

- Storage: 15-25 °C; refrigeration (2-8 °C) improves stability. Avoid freezing.
- Protection: Store in tightly sealed containers, away from light and moisture.
- Handling: Limit exposure to heat, air, and repeated opening.

APPLICATIONS

- **Sunscreens:** Creams, lotions, sprays, and gels for broad UV protection.
- **Cosmeceuticals:** Anti-aging care against photoaging and oxidative stress.
- **Dermatological:** Water-resistant formulas for prolonged sun exposure.
- **Daily Skincare:** Moisturizers and makeup with SPF boost.