



Vermogenweg 3
3641 SR Mijdrecht
The Netherlands

tel.: 31 297 303118
fax: 31 20 5241356
email : sales@hunan-chem.com

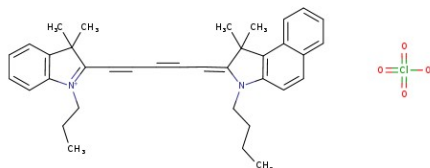
www.hunan-chem.com

Trade registration nr. 50769421 Chamber of Commerce Utrecht

Technical Data Sheet

10 March 2023

| | |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Product name: | UV-XL |
| Product Form: | Solid |
| Chemical name: | 2-(2H-Benzotriazol-2-yl)-4-methyl-6-{2-methyl-3-{1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl}propyl}phenol, Silatrizole |
| Synonym: | Drometrizole Trisiloxane; Meroxyl XL |
| CAS No: | 155633-54-8 |
| EINECS No: | 423-660-5 |
| Molecular formula: | C ₃₆ H ₄₃ ClN ₂ O ₄ |
| Structure formula: | |



Chemical Specification

| | |
|----------------------------------|---------------------------------|
| Appearance | Off-white to pale yellow powder |
| Assay (%) | 98.0 min. |
| Loss on drying (%) | 5.0 max. |
| Ash (%) | 5.0 max. |
| Heavy metals (ppm) | 20 max. |
| Melting point (°C) | 48 – 52 |
| Particle size (thru 80mesh, %) | 80.0 min. |
| Residues of solvent (Ethanol, %) | 0.5 max. |
| Total plate (cfu/g) | 1000 max. |
| Total yeast & mold (cfu/g) | 100 max. |

Packing: In 25kgs net drum

Shelf life: 24months

Features and application:

UV-XL is used as an active ingredient in various sunscreens, it is a photostable UVA and UVB light filter, also known under the name as Meroxyl XL, approved for use in the EU, Canada, Australia, and Japan, among other countries.

It is used for the indication of protecting the skin by absorbing the damaging UV radiation of sunlight .

Feature of UV-XL

Photostable. It does not degrade when exposed to UV light, and therefore provides long-lasting protection.

Oil-soluble. It is easily integrated into the oily part of sun care products and is particularly suitable for water-resistant formulations.

Safety. It is also well tolerated, hypoallergenic and suitable for sensitive skin. It is safe for health and the environment. With large molecular weight and its unique structure, UV-XL is considered to have little to no absorption through the skin, users can freely wash off and re-apply the compound as necessary.

Good compatibility. UV-XL in combination with other active sunscreen agents like titanium dioxide, avobenzone, and others can ensure the full range protection against as broad a spectrum of UVA and UVB radiation.