

UV Absorbers Specialist
Focusing on UV absorbers since 1993



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GMP
ISO9001



ISO14001
SA8000



ISO45001
REACH

SUN CARE INGREDIENTS

www.mfci.com.cn

COMPANY PROFILE

Established in 1993, MFCI is a high-tech enterprise specialized in R&D, manufacturing, sales and service of UV absorbers. Now MFCI operates a large system, comprising of 3 plants, a sales company, 3 R&D center and 3 overseas warehouses. MFCI works with some of the biggest brands globally and has grown to over 500 employees, ¥ 600 million turnover and ¥450 million total assets.

MFCI attaches great importance to research and innovation, and owns a 1,000m² high-end R&D center. Meanwhile, MFCI cooperates with the domestic top 10 universities in Production-Learning-Research, and established a provincial enterprise technology center and an UV absorber engineering technology research center which engages in cutting-edge technologies and new products' R&D. By the end of 2019, MFCI has obtained 28 patents, 23 of which are inventive ones, and also won 9 provincial awards for scientific and technological advancement.

MFCI has standardized GMP workshops, strictly implements the cGMP, and has passed the US FDA on-site audit in 2014. Stable & excellent product quality and comprehensive service qualify MFCI to enjoy a good reputation in the industry, therefore it enables MFCI to have long-term cooperation with many well-known brands such as L'OREAL, AVON, Beiersdorf, Johnson & Johnson, Proya, etc.. As a key global supplier of sunscreen raw materials, MFCI's market covers 60 countries across Europe, North America, South America, Australia, Middle East and Asia.

Embracing the mission of "Create A Better Life", MFCI will always focus on the R&D, manufacturing and service of UV absorbers. Integrating the ideas of innovation and Striving for excellence, MFCI dedicates to be a global leader of UV absorbers.



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ORGANIC UV FILTERS

Products	INCI Name	CAS No.	Properties&Applications
Mfsorb® 501	Benzophenone-1	131-56-6	<ul style="list-style-type: none"> Mainly used for nail polishes Max concentration:5%
Mfsorb® 502	Avobenzene	70356-09-1	<ul style="list-style-type: none"> A highly effective UVA filter Combined with the effective UVB filters for broad-spectrum protection and high SPF Max concentration: 3%(US) 5%(EU,AUS) 10%(JP)
Mfsorb® 503	Ethylhexyl Salicylate	118-60-5	<ul style="list-style-type: none"> A secondary UVB filter for high SPF formula Excellent solvent for solid organic UV filters Used for sun care, body care, facial care and color cosmetics Max concentration:5%(EU,USA,AUS) 10%(JP)
Mfsorb® 504	Homosalate	118-56-9	<ul style="list-style-type: none"> Good formula compatibility Excellent solvent for solid organic UV filters A secondary UVB filter for high SPF formula Used for sun care, body care, facial care and color cosmetics Max concentration: 10%(EU,JP) 15%(US,AUS)
Mfsorb® 505	Ethylhexyl Methoxycinnamate	5466-77-3	<ul style="list-style-type: none"> An effective UVB filter ideal for water-resistant sunscreen formulas Excellent solvent for solid organic UV filters Used for sun care, body care, facial care and color cosmetics Max concentration:7.5%(US) 10%(EU,AUS) ASIA(10%) 20%(JP)

ORGANIC UV FILTERS



Products	INCI Name	CAS No.	Properties&Applications
Mfsorb® 506	Padimate-O	21245-02-3	<ul style="list-style-type: none"> A highly effective UVB filter Excellent compatibility with other UV filters Very photostable For sunscreens, body and facial care, color cosmetics Max concentration:8%(EU,USA,AUS) 10%(JP)
Mfsorb® 507	Ethylhexyl Triazone	88122-99-0	<ul style="list-style-type: none"> A highly effective UVB filter Very photostable Good affinity to skin keratin, making the formula particularly water resistant Only small concentrations in sun care preparations to achieve high SPF For skin care, such as sunscreens and anti-aging face care products Max concentration:5%
Mfsorb® 508	Bisotrizole	103597-45-1	<ul style="list-style-type: none"> Completely photostable Synergy effect combine with the oil-soluble UV filter Ultrafine organic particles used in water phase, makes the choice of oil phase more flexible The only white UVA filter helps to correct the color of the formula Used for sun care products Max concentration:10%
Mfsorb® 509	Bemotrizinol	187393-00-6	<ul style="list-style-type: none"> The most effective oil soluble broad-spectrum UV filter Highly effective stabilizer for photo unstable sunscreen Very photostable Suitable for high SPF and waterproof sunscreen products, also for day care and skin lightening products Max concentration:10% (EU,ASIA,KR) 3%(JP)
Mfsorb® 510	Phenyl Benzimidazole Sulfonic Acid	27503-81-7	<ul style="list-style-type: none"> A effective UVB filter Excellent photostability, enables to boost SPF For water-based transparent sunscreen products such as gels or clear sprays, and also for water-resistant sunscreens Max concentration:4%(US,AUS) 8%(EU) 3%(JP)



ORGANIC UV FILTERS

Products	INCI Name	CAS No.	Properties&Applications
Mfsorb® 512	Diethylamino Hydroxybenzoyl Hexyl Benzoate	302776-68-7	<ul style="list-style-type: none"> • Very photostable and strong UVA protection • Good solubility • Excellent formula flexibility • Good compatibility with other UV filters and cosmetic ingredients • Excellent free radicals protection • For long-lasting sun care and anti-aging face care products • Max concentration:10%
Mfsorb® 513	Iscotrizinol	154702-15-5	<ul style="list-style-type: none"> • The new UVB filter • Very photostable • Excellent oil solubility • A high-performance UVB filter with outstanding Specific Extinction of 1500 • Synergy effect combine with other UV filters, simplifying the task of formulating high SPF • Max concentration:10%(EU,MERCOSUR,CHINA) 5%(JP)
Mfsorb® 514	4-Methylbenzylidene Camphor	36861-47-9	<ul style="list-style-type: none"> • A highly effective UVB filter • Stabilizes Avobenzone • Suitable for water-resistant sunscreen formulas • Max concentration:4%
Mfsorb® 516	Terephthalylidene Dicamphor Sulfonic Acid	90457-82-2	<ul style="list-style-type: none"> • Broad-spectrum protection especially for UVA protection • Very photostable • Excellent water solubility • Improves UVA protection and skin feel of the product • Used for sunscreens and daily skin care products
Mfsorb® 518	Isoamyl P-Methoxycinnamate	71617-10-2	<ul style="list-style-type: none"> • A highly effective UVB filter • Excellent solvent for solid organic UV filters • Suitable for waterproof sunscreen formulats • Max concentration:10%

Products	INCI Name	CAS No.	Properties&Applications
Mfsorb® 521	Disodium Phenyl Dibenzimidazole Tetrasulfonate	180898-37-7	<ul style="list-style-type: none"> • A highly effective and photostable UVA II absorber • Good compatibility with other ingredients • Suitable for water-based transparent sunscreen products such as gels or clear sprays • Max concentration: 10% (EU,AUS,BR,KR)
Mfsorb® 522	Polysilicone-15	207574-74-1	<ul style="list-style-type: none"> • The first polymeric UVB filter consisting of chromophores attached to a silicone backbone • The effective photostabilizer for Avobenzone • Excellent skin compatibility builds a uniform film for optimal sun protection • Synergy effect combine with other UV filters, enables to boost SPF • For sunscreens, day care, rinse-off and leave-on hair products • Max concentration:10%(EU,AUS,ASEAN,JP)
Mfsorb® 523	Drometrizole Trisiloxane	155633-54-8	<ul style="list-style-type: none"> • A photostable UVA and UVB light filter • Enhances protection and leaves skin silky and soft • For sunscreens, color cosmetics and personal care products • Max concentration:15%(EU)
Mfsorb® 101	Benzophenone-4	4065-45-6	<ul style="list-style-type: none"> • Water-soluble • A secondary UVB absorber with activity in UVA region • Protects colorants against fading • Helps to protect fragrances and active ingredients against oxidation • For anti-aging face care products and sunscreens • Max concentration: 6%(EC) 10%(US,AUS,JP)
Mfsorb® 102	Benzophenone-5	6628-37-1	<ul style="list-style-type: none"> • High absorptivity • Stable to light and heat • For sunscreens, shampoo and shower gel products • Max concentration: 5%(EC) 10%(US,AUS,JP)

ORGANIC UV FILTERS



Products	INCI Name	CAS No.	Properties&Applications
Mfsorb® 103	Benzophenone-9	76656-36-5	<ul style="list-style-type: none"> • For sunscreens, moisturizers, lotions, shampoos and hair sprays • Max concentration:10%
Mfsorb® 104	Octocrylene	6197-30-4	<ul style="list-style-type: none"> • Enhances the water resistance of formulas • Good solubilizer for solid UV filter • The effective photostabilizer for Avobenzone • Enables to increase UVA-II absorption in the final products • Used for sun care formulas in personal care products and color cosmetics, as well as skin and nail care products • Max concentration:10%
Mfsorb® 105	Etocrylene	5232-99-5	<ul style="list-style-type: none"> • Excellent UV protection • Good heat stability
Mfsorb® 201	Benzophenone-2	131-55-5	<ul style="list-style-type: none"> • Excellent stability of light and heat • Good compatibility
Mfsorb® 202	Benzophenone-3	131-57-7	<ul style="list-style-type: none"> • Oil soluble broad-spectrum sunscreen • Provides UV protection • For sunscreens, moisturizers, shampoos, hair care products, lipsticks, lip balms and nail polishes • Max concentration: 6%(EU,ASEAN,US) 5%(JP)



MF BOOSTER

Mfbooster™ 520

INCI Name:

Butyloctyl Salicylate

CAS No.:

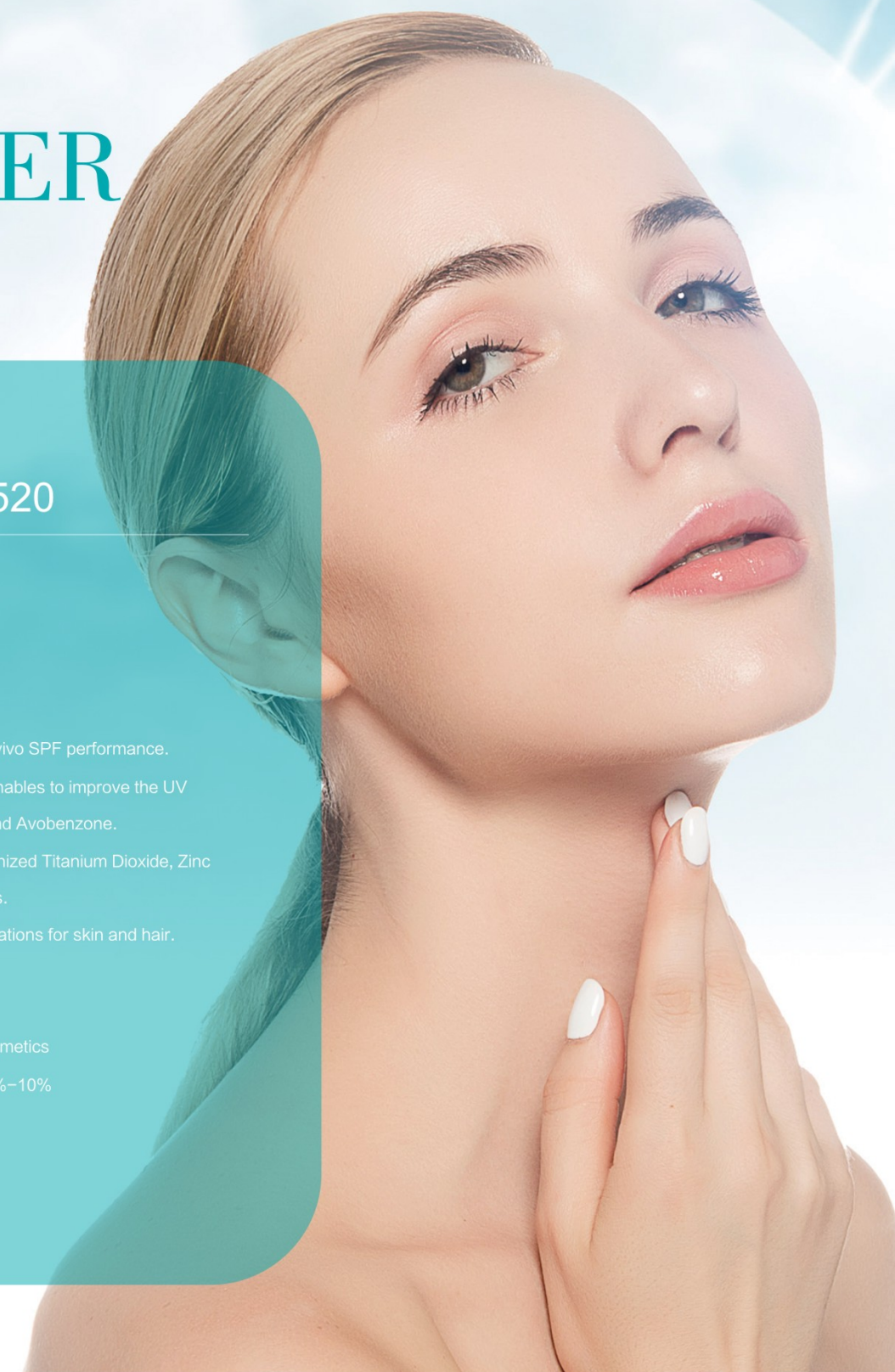
190085-41-7

Properties:

- Significantly increases the invivo SPF performance.
- A good sunscreen solvent, enables to improve the UV absorption of Oxybenzone and Avobenzone.
- An excellent carrier for micronized Titanium Dioxide, Zinc Oxide and cosmetic colorants.
- An emollient in topical preparations for skin and hair.

Applications:

- Beach wear sun care
- Eye Area and facial color cosmetics
- Recommended use level: 2%-10%



INORGANIC UV FILTERS

Mfsorb® Ti-AL765TS

INCI Name :

Titanium Dioxide (and) Alumina (and) Triethoxycaprylylsilane

CAS No.:

13463-67-7/1344-28-1 /2943-75-1

Descriptions :

- Double surface treated, pure rutile titanium dioxide powder.
- Very good dispersion and certain fluidity and lubricity.
- Effective UV shielding ability and certain repairing and whitening effect.
- With physical sunscreen and whitening effects, used in a wide range of cosmetics, especially sunscreen cosmetics.



Properties:

Composition	Titanium Dioxide	85.0-92.0%
	Alumina	2.0-6.0%
	Triethoxycaprylylsilane	3.0-9.0%
Particle size	≈ 100nm	
Dispersibility	Dispersed in oil, not dispersed in water	

Application:

Used for sunscreens, whitening and anti-wrinkle products, day creams, BB and CC beauty products, baby care products.

Concentration:

1%-25%



Mfsorb® Ti-Si7114C

INCI Name:

Titanium Dioxide (and) Silica (and) Triethoxycaprylylsilane

CAS No.:

13463-67-7/7631-86-9 /2943-75-1

Descriptions :

- Double surface treated, pure rutile titanium dioxide powder.
- Very good dispersion and certain fluidity and lubricity.
- Effective UV shielding ability and certain repairing and whitening effect.
- With physical sunscreen and whitening effects, used in a wide range of cosmetics, especially sunscreen cosmetics.

Properties:

Composition	Titanium Dioxide	≥85%
	Silica	≤10%
	Triethoxycaprylylsilane	≤5%
Particle size	≤50nm	
Dispersibility	Dispersed in oil, not dispersed in water	

Application:

Used for sunscreens, whitening and anti-wrinkle products, day creams, BB and CC beauty products, baby care products

Concentration:

1%-25%

