

Sun Care

UV-filters range for protection.



AAKO.

Chemicals require perfection.



 Chemistry is the work of people. And people who work with chemicals must aim for perfection. That's been AAKO's humble opinion since 1945. It was the start of a family business that carefully refines its perfection year in, year out and has made that refinement a daily ritual. It's a commitment to care that you encounter across the full range of our services. Our in-depth knowledge of regional markets. The reliable science behind our products, the opportunities and the applications. And our familiarity with diverse industries.

For our suppliers, located throughout the world, we are a safe haven. We know exactly how to get their products to the right place. In the right way, under the right conditions, conforming to the right regulations, the right restrictions, via the right logistic steps. And to the right customers of course. Customers who can rely on AAKO's detailed knowledge of what makes a high-quality product. Bulk chemicals, speciality chemicals, fine chemicals, if it passes through our hands, it goes through the most careful process you could imagine.



Chemicals require the right performance.

Chemistry can be an exact science. Careful supply, advice and handling are like composing a symphony. We start by reading the notes and then make music with them. Wherever we source our chemicals in the world, we not only immerse ourselves in the products, we also create a bridge between our two cultures. These connections form a harmonious partnership. This is very important to AAKO since it achieves more than just a new supply of raw materials. As a result, we can quickly change rhythm if necessary. Increasing the speed of the music till we hit the right tempo.

It's about the right performance based on carefulness. The right sourcing carefully employed, serving the products needed, with the high quality required. To support new developments. With market knowledge that starts at the source. Knowing what can and cannot be done with the products in a particular market. What's permitted and what's forbidden. What's compulsory and what's non-compulsory. What's desirable and what's undesirable. As a result the 'Algemeene Amerikaansche Kleurstoffen Onderneming' supplies all the available chemicals that you can think of. Accompanied by the right performance.



Our distribution is well organized. Logistics must be perfectly arranged. No delays. An agreement is an agreement. We rely on our unmatched market knowledge every day, and our contacts help where they can. Our knowledge of legislation and regulations, formalities, a wide range of markets, to say nothing of our product knowledge, are all at your disposal. At a moment's notice if necessary. We have been carefully developing our knowledge all these years. Ready for the times we will need it. And the result? We can't manage a day without it.

Almost as well structured as the chemistry itself.

A customer must be confident that everything is well organized. After all, the chemical sector is hardly a typical industry. It's an industry where safety, quality standards, protocols, registrations and restrictions set the tone. That's precisely why we are so careful at AAKO. In everything, with everything. Check, check and double check. We like to go through everything three, four or five times. Weighing everything up with our knowledge of regulatory matters. Because we know everything about the production and trading of chemical materials, we can offer the utmost certainty.

Our markets

Cleaning

Coatings

Crop Protection

Detergents

Feed

Food

Industrial Chemicals

Personal & Hair Care

Sun Care



**Chemicals
require excellent
treatment.**

At AAKO we know the industry's unwritten rules and regulations. We have digitized that knowledge. It's also in our heads. Immediately accessible. Ready to be shared. We are careful with all procedures. And we are thorough when it comes to our – often local – inventory. Details? How minute do you want them? We know them all or can look them up.

We are conscientious with our contacts and meticulous, careful and accurate with our products. The same applies to our distribution, regulations and the way we do our sourcing. Every detail on time, accurate and careful.

For customers, product developers and suppliers, our preparations are meticulous. We don't miss a thing. AAKO isn't an average brand; we're a careful brand. In the world of chemicals, care is paramount.

AAKO. Chemical excellence.

AAKO Sun Care

We care for protection.

With our range of UV-filters and related ingredients we provide a complete package for the formulation of sunscreens. The UV-filters are there to absorb, reflect, scatter and block ultraviolet radiation. They are formulated into personal care products to protect skin and hair from the damaging effects of sunlight. Also they are used as stabilizers, to protect the integrity of your finished product (color and fragrance).

A complete package for the formulation of sunscreens.

Organic UV-filters

The organic filters absorb the ultraviolet light and convert it into a small amount of heat. Organic filters are the most commonly used UV-filters but they are often supplemented in formulations with inorganic filters to increase the efficacy. We can offer a wide range of UVB and UVA filters.

Inorganic UV-filters

Inorganic filters can reflect, scatter and absorb the UV light depending on the size of the particles. The absorption and also efficacy is increased when the size is smaller. Inorganic filters protect against both UVA and UVB radiation.

Auxiliary raw materials

Materials that are often used in sunscreens formulations i.e. ingredients to create a waterproof film, emulsifiers or materials to improve the solubility of the UV-filters.

Organic UV-filters

Product	INCI /  USAN	Product description
AakoSun AVB	Butyl Methoxydibenzoylmethane  Avobenzone	AakoSun AVB is an oil-soluble UVA & UVB filter.
AakoSun BEMT	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine  Bemotrizinol	AakoSun BEMT is an oil soluble UVA & UVB filter. Very small concentrations are required to achieve high SPF and UVAPF values.
AakoSun BP3	Benzophenone-3  Oxybenzone	AakoSun BP3 is an oil soluble UVA & UVB filter and anti-oxidant.
AakoSun BP4	Benzophenone-4  Sulisobenzone	AakoSun BP4 is a water soluble UVA and UVB filter and anti-oxidant.
AakoSun BTZ	Diethylhexyl Butamido Triazone  Iscotrizinol	AakoSun BTZ is an oil soluble UVB filter. Very small concentrations are required to achieve a high SPF value.
AakoSun DHHB	Diethylamino Hydroxybenzoyl Hexyl Benzoate	AakoSun DHHB is an oil-soluble UVA & UVB filter.
AakoSun DPDT	Disodium Phenyl Dibenimidazole Tetrasulfonate  Bisdisulizole Disodium	AakoSun DPDT is a water-soluble UVA filter that provides effective broad-spectrum protection.
AakoSun EHS	Ethylhexyl Salicylate  Octisalate	AakoSun EHS is an oily liquid UVB filter.
AakoSun HMS	Homosalate  Homosalate	AakoSun HMS is an oily liquid UVB filter.
AakoSun MBBT MB	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol, Water, Decyl Glucoside, Propylene Glycol, Xanthan Gum  Bisotrizole	AakoSun MBBT is a water based dispersion of organic pigment giving UVA & UVB protection. Very small concentrations are required to achieve high SPF and UVAPF values.
AakoSun OCR	Octocrylene  Octocrylene	AakoSun OCR is an oily liquid UVB filter. Very suitable to dissolve and stabilize AakoSun AVB.
AakoSun OMC	Ethylhexyl Methoxycinnamate  Octinoxate	AakoSun OMC is an oily liquid UVB filter. Product is available with or without BHT stabilizer.
AakoSun OTZ	Ethylhexyl Triazone  Octyl Triazone	AakoSun OTZ is an oil soluble UVB filter. Very small concentrations are required to achieve a high SPF value.

A thorough and meticulous way of operating.

Organic UV-filters

Product	INCI /  USAN	Product description
AakoSun PBSA	Phenylbenzimidazole Sulfonic Acid  Ensulizole	AakoSun PBSA is a water soluble UVB filter.
AakoSun TDSA	Terephthalylidene Dicamphor Sulfonic Acid  Ecamsule	Aakosun TDSA is a water-soluble UVA filter that contributes to long-lasting broad-spectrum protection.

Inorganic UV-filters Titanium Dioxide powder types

Product	Surface treatment	Primary particle size	TiO ₂ Content	Property of surface
AakoSun TiO ₂ AHS	Stearic Acid	15-30 nm	75-85%	Hydrophobic
AakoSun TiO ₂ SL	Silica	20-40 nm	85-90%	Hydrophilic
AakoSun TiO ₂ SLD	Silica Dimethicone	20-40 nm	80-85 %	Hydrophobic
AakoSun TiO ₂ SLX	Silica	10 – 20 nm	80 – 85%	Hydrophilic

Dispersions of TiO₂ powders in emollients available upon request.

Inorganic UV-filters Zinc Oxide powder types

Product	Surface treatment	Cadmium content	ZnO Content	Property of surface
AakoSun ZnO Zeta	None	< 0.4 ppm	>99%	Hydrophilic/ hydrophobic

Dispersions of ZnO powders in emollients available upon request.



For various applications since 1945.

Auxiliary raw materials Vitamins

Product	INCI	Function	Product description
Vitamin A Derivatives	Retinol and Retinyl Derivatives	Conditioning Anti-aging	Support skin renewal and improve texture and overall skin appearance.
AakoVit E Acetate	Tocopheryl Acetate	Antioxidant Conditioning	Stable antioxidant that protects the skin and formulations from oxidative stress.
Natural Vitamin E Grades	Tocopherol and Mixed Tocopherols	Antioxidant Conditioning	Natural antioxidant that protects against oxidation and supports the skin barrier.
AakoVit C Ethyl Ether	3-O-ethyl Ascorbic Acid	Antioxidant Brightening	Stable vitamin C derivative that brightens the skin and improves skin tone.
AakoVit NIA	Niacinamide (B3)	Conditioning Barrier	Improves skin barrier function, enhances hydration and evens out skin tone.
AakoVit NIA Natural	Niacinamide (B3)	Conditioning Barrier	Naturally sourced niacinamide that supports skin barrier function and hydration.
AakoVit NIA Natural Non-Irritant	Niacinamide (B3)	Conditioning Barrier	Gentle niacinamide designed for sensitive skin with reduced irritation potential.
AakoVit P100	Panthenol (B5)	Humectant Conditioning	Moisturizing pro-vitamin B5 that improves skin softness and elasticity.
AakoVit P75	Panthenol (B5)	Humectant Soothing	Moisturizing pro-vitamin B5 that improves skin softness and elasticity.

Auxiliary raw materials Soothing Agents

Product	INCI	Function	Product description
Aako Allantoin	Allantoin	Soothing Conditioning	Soothing agent that helps reduce irritation and supports skin repair.
Aako Aloe Vera 10X	Aloe Barbadensis Leaf Juice	Soothing Hydrating	Concentrated aloe vera extract that soothes the skin and provides hydration.
Aako Aloe Vera 10X (CAF)	Aloe Barbadensis Leaf Juice	Soothing Hydrating	Decolorized aloe vera extract with soothing and hydrating properties.
Aako Aloe Vera 200X	Aloe Barbadensis Leaf Juice Powder	Soothing Hydrating	Highly concentrated aloe vera powder with strong soothing and moisturizing benefits.

Auxiliary raw materials Emulsifiers/Thickeners

Product	INCI	Function	Product description
AakoEmu SUPER MB	Potassium Cetyl Phosphate	Emulsifier Filmformer SPF -booster	Effective emulsifier that improves formulation stability and enhances SPF performance.
AakoFilm Cellulose	Microcrystalline Cellulose, Cellulose Gum	Thickener Stabilizing	Cellulose-based thickener that improves viscosity and stabilizes formulations.
AakoGuar BFree	Guar Hydroxypropyl-Trimonium Chloride	Thickener Conditioning	Transparent cationic guar polymer that improves viscosity and provides conditioning benefits.
AakoGuar HGHC	Hydroxypropyl Guar Hydroxypropyltrimonium Chloride	Thickener Conditioning	Highly functional guar polymer that enhances texture and delivers conditioning properties.
AakoGuar HPG	Hydroxypropyl Guar	Thickener Stabilizing	Non-ionic guar polymer that provides viscosity control and stabilizes formulations.
Aako PHST	Polyhydroxystearic acid	Dispersing Stabilizing	Polymeric dispersing agent that stabilizes pigments and improves formulation stability.
AakoWax GSC MB	Glyceryl Stearate Citrate	Emulsifier Emollient	Co-emulsifier that improves formulation stability and provides a smooth skin feel.
Aako X Cos	Xanthan Gum	Thickener Stabilizing	Rheology modifier that enhances viscosity and stabilizes formulations.

Auxiliary raw materials Tanning Agents

Product	INCI	Function	Product description
Aako DMI	Dimethyl Isosorbide	Solvent Carrier	Effective solvent that enhances penetration and improves delivery of active ingredients.
AakoTan DHA	Dihydroxyacetone	Tanning	Self-tanning agent that reacts with skin proteins to develop a natural-looking tan.
AakoTan ERY	Erythrulose	Tanning	Self-tanning agent that provides a gradual, long-lasting and even skin tone.

Auxiliary raw materials Emollients

Product	INCI	Function	Product description
AakoEmo AB-A	C12-15 Alkyl Benzoate	Emollient Spreading	Light emollient that improves spreadability and provides a smooth skin feel.
AakoEmo BG	Butylene Glycol	Humectant Emollient	Multifunctional ingredient that improves hydration and formulation performance.
AakoEmo DBA	Dibutyl Adipate	Emollient Spreading	Light emollient that improves spreadability and provides a soft skin feel.
AakoEmo DCC MB	Dicaprylyl Carbonate	Emollient Spreading	Dry emollient that provides a light touch and enhances formulation spreadability.
AakoEmo DOE MB	Dicaprylyl Ether	Emollient Spreading	Fast-spreading emollient that delivers a light and silky skin feel.
AakoEmo DIIPA	Diisopropyl Adipate	Emollient Spreading	Light emollient that improves spreadability and gives a non-greasy afterfeel.
AakoEmo DIPS	Diisopropyl Sebacate	Emollient Spreading	Lightweight emollient that improves texture and provides a smooth dry skin feel.
AakoEmo 3C MB	Coco Caprylyl/ Caprate	Emollient Conditioning	Natural-based emollient that improves skin softness and sensory performance.
AakoEmo Jojoba Oil Golden	Simmondsia Chi-nensis (jojoba) Seed Oil	Emollient Conditioning	Natural oil that nourishes the skin and improves softness and suppleness.
AakoEmo MCT MB	Caprylic/Capric Triglyceride	Emollient Conditioning	Light emollient that improves skin softness and provides a silky touch.
AakoEmo OS MB	Ethylhexyl Stearate	Emollient Conditioning	Rich emollient that enhances skin softness and improves product texture.
Aako TBC	Tributyl Citrate	Emollient	Improves skin feel and performance.
Aako TEC	Trietyl Citrate	Emollient	Improves flexibility and performance.

Auxiliary raw materials Preservatives

Product	INCI	Function	Product description
Aako EHG (PLUS)	Ethylhexyl Glycerine	Booster Conditioning	Enhances preservative efficacy and improves skin feel.
Aako PO	Piroctone Olamine	Anti-dandruff Preservative	Active ingredient that helps control dandruff and supports scalp health.

You Care.
We Care.
Sun Care.



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