

AAKO Sun Care Categories

**Organic
UV-Filters**

**Inorganic UV-
Filters**

Emulsifiers

Film Formers

Emollients

Moisturizers

**Pigment
Dispersing
Agents**

**Rheology
Modifiers**

Anti-oxidants

**Preservative
(Boosters)**

**Chelating
Agents**

**Vitamin
Derivatives**

**Skin
Soothing
Agents**

Humectants

**Whitening
Agents**

**Tanning
Agents**



UV filter product names

AakoSun

INCI names

AAKO.

AakoSun INCI names

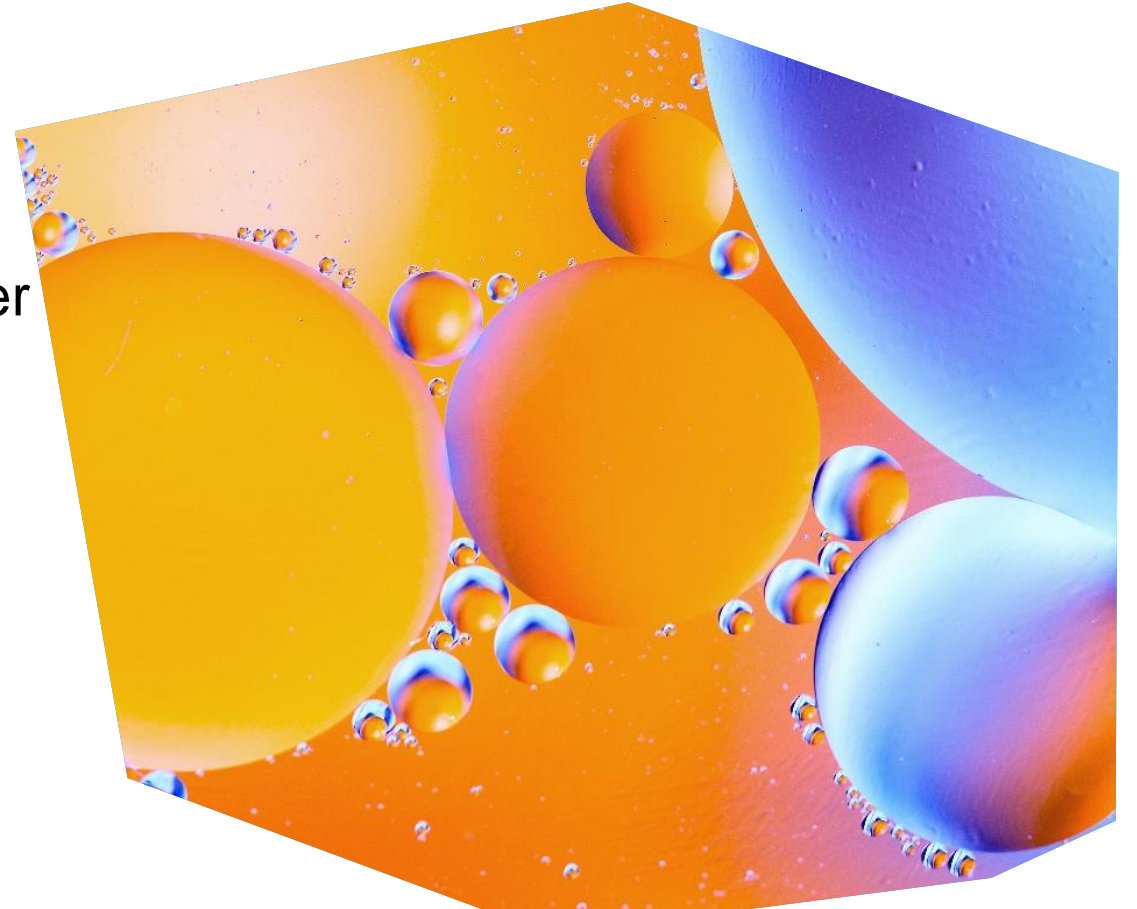
Organic	Oil-soluble	Water-soluble
UVB filters	Octocrylene (OCR) Homosalate (HMS) Ethylhexyl Salicylate (EHS) Ethylhexyl Methoxycinnamate (OMC) Ethylhexyl Triazone (OTZ) Diethylhexyl Butamido Triazone (BTZ)	Phenylbenzimidazole Sulphonic Acid (PBSA)
UVB / A filters	Benzophenone-3 (BP3) Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine (BEMT)	Benzophenone-4 (BP4) Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (MBBT dispersion)
UV-A filters	Butyl Methoxydibenzoylmethane (AVB) Diethylamino Hydroxybenzoyl Hexyl Benzoate (DHHB)	Terephthalylidene Dicamphor Sulfonic Acid (TDSA)

AakoSun INCI names

Inorganic	Oil-dispersible	Water-dispersible
TiO2 powders	Silica, Dimethicone (SLD) Stearic Acid (ST) Alumina, Stearic Acid (AS) Aluminium Hydroxide, Stearic Acid (AHS)	Silica (SL) Silica, Alumina (SLA)
ZnO powders	Stearic Acid (ST) TriEthoxy CaprylylSilane (TECS) No coating	No coating

Specialised O/W emulsifiers

- Potassium Cetyl Phosphate (AakoEmu PCP)
- Acrylates / C10-30 Alkyl Acrylate Crosspolymer
- Stable emulsions
- Not re-emulsifying after drying
- Water repellency



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Aako Emollients / Moisturizers

AakoEmo

Diisopropyl Adipate (DIIPA) | Polar, light

Triethyl Citrate (TEC) | Polar, light, natural

Dicaprylyl Ether (DOE) | Less polar, light

C12-15 Alkyl Benzoate (AB-A) | Polar, medium

Butylene Glycol (1,3-BG) | Polar, medium, natural

Use blends to optimize performances

Aako Dispersants / Film formers

VP/Hexadecene Copolymer AakoFilm PA-16

VP/Eicosene Copolymer AakoFilm PA-20

Triaccontanyl PVP AakoFilm PA-30

Polyhydroxystearic Acid PHST

Potassium Cetyl Phosphate AakoEmu PCP

Crambe Abyssinica Seed Oil

Phytosterol Esters CASOPE

Use blends to optimize performances

Rheology modifiers

Water thickeners

- Guar gum (HGHC)
- Xanthan gum
- Bentonites
- Acrylates
- PVP polymers

Oil thickeners / secondary emulsifiers

- Fatty alcohols / ethoxylates
- Glyceryl Stearate





Anti-oxidants for formulation

Anti-oxidants protect UV-actives, color and fragrance from degradation in bottle and on skin

- Vitamin E
- Coenzyme Q10
- Vitamin C ethyl ether

- BP-3 (oil phase)
- BP-4 (water phase)

Preservatives and chelating

Protect emulsion at pH 6-7

- Piroctone Olamine (PO)
- (Sodium) Methyl Paraben
- Ethylhexylglycerine (EHG)
- Phenoxyethanol
- Triethyl Citrate (TEC)
- Butylene Glycol (1,3-BG)
- Caprylyl Glycol
- Anhydrous Betaine
- GLDA
- EDTA



Vitamins

Pre- anti-oxidants

Tocopheryl Acetate AakoVit E Acetate

Panthenol AakoVit P100 (D and DL)

Panthenol AakoVit P75 (D)

Niacinamide AakoVit NIA

3-O-Ethyl Ascorbic Acid AakoVit C Ethyl Ether

Retinyl Acetate AakoVit A Acetate

Retinyl Palmitate AakoVit A Palmitate

Ubiquinone Coenzyme Q10

Anti Redness

Skin-soothing

Allantoin Aako Allantoin

Betaine Aako Betaine Anhydrous 99%

**Aloe Barbadosis Leaf
Juice** Aako Aloe Vera 10X

**Aloe Barbadosis Leaf
Juice Powder** Aako Aloe Vera 200X

Panthenol AakoVit P100 (D and DL)

Panthenol AakoVit P75 (D)

3-O-Ethyl Ascorbic Acid AakoVit C Ethyl Ether

Oenothera Biennis Oil Aako Evening Primrose

Bisabolol Aako Bisabolol Oil Refined

Humectants

Betaine Aako Betaine Anhydrous 99%

Butylene Glycol Aako 1,3-BG

Panthenol AakoVit P100 (D and DL)

Panthenol AakoVit P75 (D)

Whitening agent

3-O-Ethyl Ascorbyl Acid

AakoVit C Ethyl Ether

Skin tanning

Dihydroxyacetone

AakoTan DHA

Erythrulose

AakoTan ERY

Melanin

Color + TiO₂ complex

(color cosmetics)

Deodorants

Triethyl Citrate

Aako TEC

Piroctone Olamine

Aako PO

Anti- perspirants

Octenidine.HCL

Aako Octenidine.HCL

Ethylhexylglycerine

Aako EHG

Aluminium Chlorohydrate

Locron L

Aluminium Chlorohydrate

Locron P

Aluminum Sesquichlorohydrate

Locron SQH

Aluminum zirconium tetrachlorohydrate gly

Locron AZL 35 G or AZL 46 G