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Unlimited Cosmetic Solutions

DSM Products



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DSM Nutritional Products

Unlimited. **DSM**

Commercial Name	INCI Name	Topical Benefits	Effective Levels	Handling
Allantoin	Allantoin	Originally known for its wound-healing properties. Has keratolytic effects to soften the skin, stimulates epithelialization to speed up skin regeneration. Has also anti-irritant effects.	Skin care: 0.1-0.3% Sun care: 0.1-0.3% Oral care: 0.1-0.3% Intensive treatment: 0.5-2.0%	Powder. Temp. ≤ 75°C. Optimal pH range: 4.0-8.0.
ALL-Q® plus	Ubiquinone Tocopheryl Acetate C12-15 Alkyl Benzoate	Oil soluble antioxidant active complex, protects the surface lipids from peroxidation, has anti-wrinkle activity, has skin smoothing properties, protects skin from UV damage.	Skin care: 0.5-2.0% Intensive treatment: 1.0-4.0%	Liquid. Temp. ≤ 40°C. Optimal pH range: 3.5-8.0. Sensitivity: Oxygen-No; UV&Visible Light-Yes; Heavy Metals-Yes.
BeauActive™ MTP	Hydrolyzed Milk Protein	Natural hypoallergenic tripeptides obtained by a unique enzymes process, improve skin renewal, reduce fine and deep wrinkles, induce collagen production.	Skin care: up to 0.5%	Powder. Temp. ≤ 40°C. Optimal pH range: 3.5-8.0. Sensitivity: Oxygen-No; UV&Visible Light-No; Heavy Metals-No; Heat-Yes.
BeauPlex® VH	Niacinamide Calcium Pantothenate Sodium Ascorbyl Phosphate Tocopheryl Acetate Pyridoxine HCl Maltodextrin Silica Sodium Starch Octenylsuccinate	All-in-one vitamin compound for skin and hair care. With Vitamins known to protect and beautify the skin, to moisturize and strengthen damaged and natural hair and to nourish the scalp.	Skin care: 0.5-2.0% Hair care: 0.5-2.0%	Powder. Temp. ≤ 40°C. Optimal pH range: 7.0-8.0. Sensitivity: Oxygen-Yes; UV&Visible Light-Yes; Heavy Metals-Yes; Heat-Yes.
D-Biotin	Biotin	Co-enzyme in carboxylation reactions, enhances fingernails' flexibility and strength. Has also positive effects on scalp and hair roots.	Skin care: 0.1-0.5% Hair care: 0.05-0.20% Nail care: 0.1-0.5%	Powder. Temp. ≤ 80°C. Optimal pH range: 5.5-8.0. Sensitivity: Oxygen-No; UV&Visible Light-No; Heavy Metals-No.
D-Panthenol	Panthenol	Long lasting moisturizers for hair, skin and nails, nourish and strengthen hair, prevent hair damage due to overheating and over-drying, make nails flexible and less brittle, promote epithelialization in wounded tissue, constituent of Co-enzyme A, soothe and help improving dry skin.	Skin care: 0.5-5.0% Hair care: 0.5-2.0% Nail care: 0.5-2.0%	Liquid. Temp. ≤ 70°C. Optimal pH range: 4.0-7.5. Sensitivity: Oxygen-No; UV&Visible Light-No; Heavy Metals-No.
D-Panthenol 75L	Panthenol			
DL- Panthenol 50L				
Ethyl Panthenol	Panthenyl Ethyl Ether			
Folic Acid	Folic Acid	Stimulates regeneration and helps to repair UV-induced DNA damages.	Skin care: 0.1-0.2% Intensive treatment: up to 0.5%	Powder. Temp. ≤ 40°C. Optimal pH range: 6.5-8.0. Sensitivity: Light-Yes; Heavy Metals-Yes; Heat-Yes.
Niacinamide PC	Niacinamide	Co-enzyme precursor in cell metabolism, improves skin barrier function, has skin lightening properties, anti-ageing and anti-acne activity.	Skin care: 1.0-5.0% Hair care: 0.5-2.0%	Powder. Temp. ≤ 70°C. Optimal pH range: 3.5-7.5. Sensitivity: Oxygen-No; UV&Visible Light-No; Heavy Metals-No.
Phytantriol	Phytantriol	Protects hair against heat (blow drying) and mechanical damages (combing, brushing), helps prevent split ends. Enhances deposition of amino acids, vitamins and other ingredients on hair, skin and nails.	Skin care: 0.1-3.0% Hair care: 0.1-3.0% Nail care: 0.1-3.0%	Liquid. Temp. ≤ 40°C. Optimal pH range: 3.5-8.5. Sensitivity: Oxygen-No; Light-Yes; Heavy Metals-No; Heat-Yes.
RADIANCE CR	Sodium Ascorbyl Phosphate Biotin Mannitol	Active complex that reduces age-spots and wrinkles, enhances recovery of skin barrier damage.	Skin care: 0.5-5.0%	Powder. Temp. ≤ 40°C. Optimal pH range: 6.5-8.5. Sensitivity: Oxygen-Slight; Light-Slight; Heavy Metals-Yes; Heat-Yes.
ROPUFA® 10 n-6 oils	Oenothera biennis (Evening Primrose) oil	100% natural, provide the skin with gamma-linolenic acid, help repair and restore the intercellular moisture barrier of the skin.	Skin care: 0.5-3.0% Hair care: 0.5-2.0% Nail care: 0.5-2.0%	Liquid. Temp. ≤ 65°C. Optimal pH range: 4.5-7.5. Sensitivity: Oxygen-Yes; Light-Yes; Heavy Metals-Yes.
ROPUFA® 25 n-6 oils	Borago officinalis seed oil			
STAY-C® 50	Sodium Ascorbyl Phosphate	Protective and corrective vitamin, water soluble in vivo antioxidant, preferential stimulant of collagen synthesis, free radical scavenger to support UV protection, anti-acne ingredient, skin lightening activity: approved Q/D in Japan.	Skin care: 0.5-3.0% Hair care: 0.5-3.0% Oral care: 0.5-3.0%	Powder. Temp. ≤ 40°C. Optimal pH range: ≥ 7. Sensitivity: Oxygen-No; Light-No; Heavy Metals-Yes; Heat-Yes.
TEAVIGO®	Epigallocatechin Gallate	Natural, 94% pure active, effective against plaque and caries bacteria, prevents gingivitis and oral malodor, useful in all kinds of oral care products.	Oral care: 0.05-2.5% <i>*for concentrates</i>	Powder. Temp. ≤ 40°C. Optimal pH range: 4.0-6.0. Sensitivity: Oxygen-Very; UV&Visible Light-Yes; Heavy Metals-Yes; Water-Yes; Heat-Yes.
Vitamin A Palmitate	Retinyl Palmitate	Corrective vitamin, anti-keratinizing agent, skin elasticity enhancer, dry and photo-damaged skin normalizer, skin and scalp moisturizer, skin photodamage reducer, skin and scalp scale reducer.	Skin care: 0.05-0.3% Hair care: 0.05-0.3%	Liquid. Temp. ≤ 40°C. Optimal pH range: 4.5-6.5. Sensitivity: Oxygen-Very; UV&Visible Light-Yes; Heavy Metals-Yes; Heat-Yes.
Vitamin B₆	Pyridoxine HCl	Against skin flaking, anti-dandruff active.	Skin care: 0.05-0.3% Hair care: 0.05-0.3%	Powder. Temp. ≤ 40°C. Optimal pH range: 4.5-7.0. Sensitivity: Oxygen-Very; UV&Visible Light-Yes; Heavy Metals-Yes; Heat-Yes.
Vitamin E Acetate	Tocopheryl Acetate	In vivo antioxidant, helps prevent lipid peroxidation in cells and tissues, skin softener, reduces inflammation.	Skin care: 1.0-5.0% Hair care: 0.5-2.0% Soap/body: 0.5-1.0%	Liquid. Temp. ≤ 100°C. Optimal pH range: 3.5-8.0. Sensitivity: Oxygen-No; Light-No; Heavy Metals-Yes.
Vitamin K₁	Phytonadione	Oil soluble vitamin, helps to reduce dark eye circles and stretch marks.	Skin care: 1.0-5.0%	Powder. Temp. ≤ 40°C. Optimal pH range: 5.0-7.5. Sensitivity: Oxygen-Yes; UV&Visible Light-Yes; Heavy Metals-Yes.

ACTIVE INGREDIENTS

Commercial Name	INCI Name	Topical Benefits	Effective Levels	Handling
PARSOL® TX	Titanium Dioxide Silica Dimethicone	UV _A filter with new coating that offers significant improvement to in vivo SPF. Protects the skin against UV radiations and minimizes the harmful long term effects of sunlight exposure. Very good compatibility with PARSOL® 1789.	EU: max 25% US: max 25% JP: no limits CN: max 25% ASEAN: max 25% AU: max 25%	Powder. Optimum pH range: 4.0-8.0. Easily dispersible in oils. Compatible with PARSOL® 1789 and Carbomers.
PARSOL® TX50 AB NEW!	Titanium Dioxide Silica Dimethicone C12-15 Alkyl Benzoate Polyglyceryl-2-Dipolyhydroxystearate	High gloss dispersion of mineral UV _A filter with new coating that offers significant improvement to in vivo SPF. Protects the skin against UV radiation and minimizes the harmful long term effects of sun light exposure. Very good compatibility with PARSOL® 1789.	EU: max 25%* US: max 25%* JP: no limits CN: max 25%* ASEAN: max 25%* *referring to PARSOL® TX content	White, highly thixotropic ready-to-use dispersion of PARSOL® TX in C12-C15 Alkyl Benzoate. Optimum pH-range 4.0 - 8.0. Compatible with PARSOL® 1789 and Carbomers.
PARSOL® SLX	Polysilicone-15	UV _A absorbing chromophores attached to polysiloxane chains. Protects hair and skin against UV radiation damages, protects dyed hair, reduces tangling, protects hair's amino acids, protects against the damages of daily blow drying, provides better fragrances retention, enhances shine and leads to no build up upon cumulative use. Effective photostabilizer of PARSOL® 1789.	EU: max 10% JP: max 10% CN: max 10% ASEAN: max 10% AU: max 10%	Liquid. Optimum pH range: 4.0-9.0. In creams and emulsions, has to be added to the oil phase. Best SPFs can be achieved when SLX is combined with other solid UV-absorbers such as PARSOL® 1789 and HS. Also acts as stabilizer for PARSOL® 1789. In shampoos, need proper solubilization prior to addition to formulation.
PARSOL® MCX	Ethylhexyl Methoxycinnamate	Highly efficient and most widely used oil-soluble UV _A filter. Protects the skin against UV _A radiations and minimizes the harmful long term effects of sunlight exposure. Globally approved.	EU: max 10% US: max 7.5% JP: max 20%** CN: max 10% ASEAN: max 10%	Liquid. Readily soluble in the oil phase of the emulsion. Can be emulsified either hot or cold depending on the emulsifier used. Can be combined with other UV-absorbers to achieve high SPFs.
PARSOL® 1789	Butyl Methoxydibenzoylmethane	Oil-soluble, highly efficient UV _A filter. Only globally approved broad UV _A spectrum filter. Protects the skin against UV _A radiations (320-400 nm) and minimizes the harmful long term effects of sunlight exposure. Protects the skin from premature photo-aging and pigmentation.	EU: max 5% US: max 3% when used alone; 2-3% in combination with other allowed UV filters JP: max 10% CN: max 5% ASEAN: max 5% AU: max 5%	Powder. Optimum pH range: 5.0-8.0. Oil soluble and should be incorporated in the heated oil phase. Consult the solubility table to ensure complete solubilization and avoid crystals formation. Addition of sequestrant such as EDTA is preferred to avoid formation of complexes with heavy metals.
PARSOL® HS	Phenylbenzimidazole Sulfonic Acid	Effective water soluble UV _A filter when properly neutralized. Used in association with other UV filters to raise the SPF values with a minimum amount of active ingredients and develop effective broad spectrum sunscreens and protective daily use cosmetic preparations.	EU: max 8% US: max 4% JP: max 3%** CN: max 8% ASEAN: max 8%	Powder. Optimum pH range: 7.0-7.5. Neutralization with suitable bases is required to form salts which are freely soluble in water and water/alcohol solutions.
PARSOL® 340	Octocrylene	Oil-soluble UV _A filter. Protects the skin against UV _A radiations and minimizes the harmful long term effects of sunlight exposure. Effective photostabilizer of PARSOL® 1789. Good solvent for solid UV-filters.	EU: max 10% US: max 10% JP: max 10% CN: max 10% ASEAN: max 10% AU: max 10%	Liquid. Readily soluble in the oil phase of the emulsion. Can be emulsified either hot or cold depending upon the emulsifier used.
PARSOL® 5000	4-Methylbenzylidene Camphor	Highly efficient oil-soluble UV _A filter. Protects the skin against UV _A radiation and minimizes the harmful long term effects of sunlight exposure. Used in association with other UV filters to raise the SPF values with a minimum amount of active ingredients. Effective photostabilizer of PARSOL® 1789.	EU: max 4% CN: max 4% ASEAN: max 4% AU: max 4%	Powder. Readily soluble in the oil phase of the emulsion. Can be emulsified either hot or cold depending upon the emulsifier used.
PARSOL® EHS	Ethylhexyl Salicylate	Oil-soluble UV _A filter. Protects the skin against UV _A radiations and minimizes the harmful long term effects of sunlight exposure. Good solvent for solid UV-filters.	EU: max 5% US: max 5% JP: max 10% CN: max 5% ASEAN: max 5% AU: max 5%	Liquid. Readily soluble in the oil phase of the emulsion. Can be emulsified either hot or cold depending upon the emulsifier used.
PARSOL® HMS	Homosalate	Oil-soluble UV _A filter. Protects the skin against UV _A radiations and minimizes the harmful long term effects of sunlight exposure. Good solvent for solid UV-filters.	EU: max 10% US: max 15% JP: max 10% CN: max 10% ASEAN: max 10% AU: max 15%	Liquid. Readily soluble in the oil phase of the emulsion. Can be emulsified either hot or cold depending upon the emulsifier used.
PARSOL® Guard	Octocrylene Homosalate Butyl Methoxydibenzoylmethane Tocopherol Helianthus Annuus (sunflower) seed oil	Combination of safe registered UV-filters and an antioxidant to protect light-sensitive cosmetic products from degradation by UV radiation and oxidative reactions.	Use level: 0.05-0.5%	Liquid. Addition of sequestrant such as EDTA is preferred to avoid formation of complexes with heavy metals.
AMPHISOL® A	Cetyl Phosphate	Cetyl phosphate is the non neutralized homologue of the AMPHISOL family. When neutralized it acts as an anionic oil/water emulsifier. An analog of the natural phospholipids of the skin and an emulsifier of choice for quality cosmetic preparations. Excellent candidate for stable water-resistant sun care formulations.	O/W emulsions: 0.75-2.5% As emulsion stabilizer: 0.25-0.40%	Powder. Optimal pH range: 5.0-8.0. Avoid raw materials containing Ca ²⁺ and Mg ²⁺ ions to prevent formation of insoluble salts. Addition of sequestrant such as EDTA is preferred to avoid formation of complexes with heavy metals. Neutralization with proper base is required.
AMPHISOL® K	Potassium Cetyl Phosphate	Potassium salt of Cetyl Phosphate. An anionic oil/water emulsifier. An analog of the natural phospholipids of the skin and an emulsifier of choice for quality cosmetic preparations. Excellent candidate for stable water-resistant sun care formulations.	O/W emulsions: 1.0-3.0% As emulsion stabilizer: 0.25-0.50%	Powder. Optimal pH range: 5.0-8.0. Avoid raw materials containing Ca ²⁺ and Mg ²⁺ ions to prevent formation of insoluble salts. Addition of sequestrant such as EDTA is preferred to avoid formation of complexes with heavy metals.
Ascorbyl Palmitate	Ascorbyl Palmitate	Oil-soluble antioxidant for protection of emulsions and oils against oxidation.	Use level: 0.02-0.2%	Powder.
Beta-Carotene	Beta-Carotene	Colouring ingredient, antioxidant.	Adequate quantity for expected benefit	Powder. Sensitivity: Oxygen-Yes; Light-Yes.
dl-alpha-Tocopherol	Tocopherol	Oil-soluble antioxidant for protection of emulsions and oils against oxidation.	Use level: 0.05-0.2%	Liquid. Sensitivity: Heat-No; Oxygen-Yes; Light-Yes.
Mixed Tocopherols (mix of natural tocopherols)	Tocopherol	Oil-soluble antioxidant for protection of emulsions and oils against oxidation.	Use level: 0.05-0.2%	Liquid. Sensitivity: Heat-No; Oxygen-Yes; Light-Yes.

UV FILTERS

TECHNICAL INGREDIENTS

** for products not in contact with mucous membranes