

SKINCARE COMPOSITIONS

This invention relates to skincare compositions, in particular compositions effective in the treatment of acne vulgaris, and to methods of treatment of the skin that involve the application of such compositions.

Acne vulgaris (acne) is a chronic inflammatory condition of the pilosebaceous units of the skin, which is particularly prevalent in adolescents. The condition generally causes the formation, on the skin, of comedones, red papules, pustules and sometimes cysts. This is unsightly and furthermore, if untreated, acne can lead to scarring of the skin. The major causes of acne are thought to be an increase in sebum production, an increased presence of propionibacterium acne (*P. acne*), blockage of the pilosebaceous duct and the production of inflammation.

Salicylic acid is known to be effective in the treatment of acne. It is a topical keratolytic agent that works by dissolving the intercellular cement that holds epithelial cells together. Salicylic acid is used in a variety of over-the-counter acne remedies.

In order to improve the efficacy of topical acne treatments, it is desired to formulate salicylic acid with one or more control agents to regulate the inflammatory effects sometimes observed, such as local skin peeling and discomfort such as burning and skin reddening .

Surprisingly, it has now been found that skincare compositions comprising salicylic acid and at least two or more chosen actives have improved therapeutic efficacy in the treatment of acne. Said skincare compositions have both the ability to treat acne and reduce the appearance of redness on the skin.

Thus, according to a first aspect of the invention there is provided a skincare composition suitable for topical application to the skin, the composition

comprising salicylic acid or a salt thereof, combined with at least 2 actives selected from the group consisting of:

- lactic acid or a salt thereof;
- glycyrrhizinic acid or a salt or derivatives thereof;
- 5 • bisabolol;
- cetylhydroxyproline palmitamide;
- allantoin;
- niacinamide; and,
- Canadian Willowherb (*epilobium angustifolium*) extract.

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It has been found that this treatment provides advantages over existing acne treatments, particularly in tolerance of the acne treatment by the skin. It may have an effect in reducing the severity of the acne and hence any associated marks or scarring that can occur; furthermore, cutaneous irritation may be reduced. Other measures indicating advantages are the reduction in inflammation in the affected skin and/or a soothing effect. A synergistic association between the chosen combination of ingredients may provide that a composition may have lesser amounts of each individual ingredient

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- 20 Salicylic acid is preferably incorporated into the composition according to the invention as the free acid. However, the pH of the composition may, and generally will, be such that the salicylic acid exists in the composition in dissociated form. As the composition may well contain cationic counterions, the salicylic acid may then be thought of as being present in salt form.
- 25 Alternatively, the salicylic acid may be incorporated into the composition already in salt form, eg as a salt with a Group I metal, such as sodium salicylate. As used herein, unless the context requires otherwise, any and all references to salicylic acid should be taken to encompass references to the acid and to dissociated forms and salts thereof.

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The concentration of salicylic acid in the composition according to the invention is preferably at least 0.01 percent by weight, more preferably at least 0.1 percent, most preferably at least 0.5 percent and especially at least 1

percent by weight. The concentration of salicylic acid is preferably less than 10 percent, more preferably less than 5 percent, most preferably less than 4 percent and especially less than 3 percent by weight. The concentration of salicylic acid may therefore fall in the range 0.01 percent to 10 percent by weight, more preferably 0.1 percent to 5 percent, and most preferably 0.5 percent to 4 percent and especially 1 to 3 percent by weight. A particularly preferred concentration of salicylic acid is 2 percent by weight.

The concentration of lactic acid or salt thereof when present in the composition is at least 0.01 percent by weight, more preferably at least 0.1 percent by weight and most preferably at least 1 percent by weight; and is less than 10 percent by weight, more preferably less than 5 percent by weight, and most preferably less than 3 percent by weight.

The concentration of glycyrrhizinic acid or a salt or a derivative thereof when present in the composition is at least 0.01 percent by weight and is less than 2 percent by weight, more preferably less than 1 percent by weight, and most preferably less than 0.5 percent by weight.

The concentration of bisabolol when present in the composition is at least 0.001 percent by weight, more preferably at least 0.01 percent by weight and is less than 1 percent by weight, more preferably less than 0.5 percent by weight,

The concentration of cetylhydroxyproline palmitamide when present in the composition is at least 0.001 percent by weight, more preferably at least 0.01 percent by weight and is less than 1 percent by weight, more preferably less than 0.5 percent by weight.

The concentration of allantoin when present in the composition is at least 0.01 percent by weight, more preferably at least 0.1 percent by weight and most preferably at least 0.2 percent by weight, and is less than 5 percent by weight, more preferably less than 2 percent by weight, and most preferably less than 1 percent by weight.

The concentration of niacinamide when present in the composition is at least 0.01 percent by weight, more preferably at least 0.1 percent by weight and most preferably at least 0.5 percent by weight, and is less than 10 percent by weight, more preferably less than 5 percent by weight.

The concentration of epilobium angustifolium extract when present in the composition is at least 0.01 percent by weight, and is less than 5 percent by weight, more preferably less than 1 percent by weight, and most preferably less than 0.5 percent by weight.

In a particularly preferred embodiment of the present invention, there is provided a skincare composition comprising 0.1 to 5 wt% salicylic acid, or a salt thereof, in combination with at least 2 actives selected from the group consisting of:

- 0.1 to 5 wt% lactic acid or a salt thereof;
- 0.01 to 1 wt% glycyrrhizinic acid or a salt or derivative;
- 0.001 to 1 wt% bisabolol;
- 0.001 to 1 wt% cetylhydroxyproline palmitamide
- 0.1 to 2 wt% allantoin;
- 0.1 to 5 wt% niacinamide; and,
- 0.001 to 1% epilobium angustifolium extract

In a further particularly preferred embodiment of the present invention, there is provided a skincare composition comprising 1 to 3 wt% salicylic acid or a salt thereof; in combination with at least 2 actives selected from the group consisting of:

- 1 to 3 wt% lactic acid or a salt thereof;
- 0.01 to 0.5 wt% glycyrrhizinic acid or a salt or derivative
- 0.02 to 0.5 wt% bisabolol;
- 0.01 to 0.5 wt% cetylhydroxyproline palmitamide
- 0.2 to 1 wt% allantoin;
- 0.5 to 5 wt% niacinamide; and,

- 0.01 to 0.5% epilobium angustifolium extract.

The composition is preferably prepared with a pH in the range 2.5 to 8.0, more preferably 3.0 to 7.0, and particularly a pH in the range 3.5 to 6.0, e.g. about
5 pH 4.5 or pH 5.5.

A composition according to the invention may comprise one or more further topically active ingredients useful in skincare. Such active ingredients may include one or more of the following:

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antimicrobial or antibacterial compounds, for example selected from the following: triclosan, neomycin, clindamycin, polymyxin, bacitracin, benzoyl peroxide, hydrogen peroxide, tetracyclines such as doxycycline or minocycline, sulfa drugs such as sulfacetamide, penicillins, cephalosporins such as
15 cephaixin, and quinolones such as lomefloxacin, ofloxacin or trovafloxacin;

antiviral compounds, for example selected from acyclovir, tamvir, and penciclovir;

antifungal compounds, for example selected from the following: farnesol, clotrimazole, ketoconazole, econazole, fluconazole, calcium or zinc
20 undecylenate, undecylenic acid, butenafine hydrochloride, ciclopirox olamine, miconazole nitrate, nystatin, sulconazole, and terbinafine hydrochloride; anti-inflammatory compounds, for example selected from the following: steroidal agents selected from hydrocortisone, fluocinolone acetonide, halcinonide, halobetasol propionate, clobetasol propionate, betamethasone dipropionate,
25 betamethasone valerate, and triamcinolone acetonide, and non-steroidal anti-inflammatory agents selected from aspirin, ibuprofen, ketoprofen, naproxen, aloe vera gel, aloe vera, licorice extract, pilewort or zinc;

30 **anthelmintic compounds**, for example metronidazole.

The composition according to the invention may be formulated in numerous forms. However, the composition may often take the form of an aqueous or oily solution or surfactant wash or dispersion or emulsion or a gel. An

emulsion may be an oil-in- water emulsion or a water-in-oil emulsion or microemulsion.

- The oil phase of emulsions may comprise , but are not exclusive to:
- 5 hydrocarbon oils such as paraffin or mineral oils; b) waxes such as beeswax or paraffin wax; c) natural oils such as sunflower oil, apricot kernel oil, shea butter or jojoba oil; d) silicone oils such as dimethicone, cyclomethicone or cetyldimethicone; e) fatty acid esters such as isopropyl palmitate, isopropyl myristate, dioctylmaleate, glyceryl oleate and cetostearyl isononanoate; f) fatty
- 10 alcohols such as cetyl alcohol or stearyl alcohol and mixtures thereof (eg cetearyl alcohol); g) polypropylene glycol or polyethylene glycol ethers, eg PPG-14 butyl ether; or h) mixtures thereof, for example, the blend of waxes available commercially under the trade name Cutina (Henkel).
- 15 Emulsifiers used may be any emulsifiers known in the art for use in water-in-oil or oil-in-water emulsions or microemulsions. Known cosmetically acceptable emulsifiers may include: a) sesquioleates such as sorbitan sesquioleate, available commercially for example under the trade name
- 20 Arlacel 83 (ICI), or polyglyceryl-2- sesquioleate; b) ethoxylated esters of derivatives of natural oils such as the polyethoxylated ester of hydrogenated castor oil available commercially for example under the trade name Arlacel 989 (ICI); c) silicone emulsifiers such as silicone polyols available commercially for example under the trade name ABIL WS08 (Th. Goldschmidt AG); d) anionic emulsifiers such as fatty acid soaps e.g. potassium stearate
- 25 and fatty acid sulphates e.g. sodium cetostearyl sulphate available commercially under the trade name Dehydag (Henkel); e) ethoxylated fatty alcohols, for example the emulsifiers available commercially under the trade name Brij (ICI); f) sorbitan esters, for example the emulsifiers available commercially under the trade name Span (ICI); g) ethoxylated sorbitan esters,
- 30 for example the emulsifiers available commercially under the trade name Tween (ICI); h) ethoxylated fatty acid esters such as ethoxylated stearates, glyceryl monostearates for example the emulsifiers available commercially under the trade name Myrj (ICI); i) ethoxylated mono-, di-, and tri-glycerides, for example the emulsifiers available commercially under the trade name

Labrafil (Alfa Chem.); j) non-ionic self-emulsifying waxes, for example the wax available commercially under the trade name Polawax (Croda); k) ethoxylated fatty acids, for example, the emulsifiers available commercially under the trade name Tefose (Alfa Chem.)

- 5 l) methylglucose esters such as polyglycerol-3 methyl glucose distearate available commercially under the name Tegocare 450 (Degussa Goldschmidt); m) as well as polyacrylamide emulsifier systems for examples cream gel emulsifier under trade name Sepigel 305 (Seppic) or n) mixtures thereof

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Gels provided according to the invention may be aqueous or non-aqueous. Aqueous gels are preferred. The gel will contain a gelling agents in order to give sufficient viscosity to the gel. Suitable gelling agents may be hydroxypropyl guar or a copolymer of acryloyl dimethyl tauric acid (or a salt thereof), especially a copolymer of that monomer with another vinylic monomer. The salt may be a salt of a Group I alkali metal, but is more preferably an ammonium salt. Examples of suitable copolymer gelling agents are ammonium acryloyl dimethyl taurate / vinyl pyrrolidone copolymer, ammonium acryloyl dimethyl taurate / Beheneth-25 methacrylate copolymer, ammonium acryloyldimethyltaurate / vinyl formamide copolymer These materials are available from Clariant GmbH in the range of products under the trade name Aristoflex.

25 A variety of thickening agents may also be used according to the nature of the liquid carrier and the viscosity required. Thickeners that are water-soluble or hydrophilic are preferred, and examples include acrylic acid polymers, eg those available commercially under the trade name Carbopol (B.F. Goodrich), modified celluloses, eg hydroxypropylmethylcellulose or hydroxyethylcellulose available commercially under the trade name Natrosol (Hercules),
30 alkylgalactomanans available under the trade name N-Hance, xanthan gum, cetyl alcohol and sodium chloride.

The amount of gelling and/or thickening agent in the composition will each preferably lie in the range 0.1 to 5 percent w/w, more preferably 0.5 to 5

percent w/w. Typically, the amount of gelling and/or thickening agent will each be less than 3 percent w/w, eg about 1 percent w/w or about 2 percent w/w.

5 The composition according to the invention preferably has a viscosity of from about 10,000 mPa.s to about 200,000 mPa.s, Viscosity may be measured using a Brookfield RVT viscometer equipped with a T bar C rotating at 5rpm for 1 minute.

10 In many instances, it is preferred that the composition should comprise a chelating or sequestering agent, or other agent capable of complexation or other interaction with metal ions present in the composition. Such agents may improve the stability of the composition, and in particular may inhibit or prevent degradation of several ingredients (eg fragrance). Examples of chelating or sequestering agents include ethylenediamine tetraacetic acid and
15 its salts, notably the dipotassium and especially the disodium salt.

In the case of solutions or dispersions, and gels, the composition will generally contain a solvent system or other continuous liquid phase. Such a system is preferably aqueous. However, mixed solvent systems may often be used with
20 advantage. Such a mixed solvent system most preferably comprises water, in admixture with a co-solvent, most preferably a lower (eg C₁₋₆) alcohol, in particular ethanol and t-butyl alcohol.

Preferred aqueous systems comprise water in an amount of at least 25
25 percent by weight, more preferably at least 35 percent by weight, The upper limit of water will depend on the amounts of other ingredients incorporated in the composition so that the water may form the remainder of the composition up to 100 percent of the composition.

30 The composition may additionally comprise other components which will be well known to those skilled in the art. These include, for example:

a) **Emollients** - ingredients that help to maintain the soft, smooth and pliable appearance of skin. Such ingredients may function by their ability to remain on the surface of the skin or in the stratum corneum, and to act as lubricants,

reducing or preventing flaking of the skin and improving the skin's appearance. Examples of emollients are isopropyl myristate, triglycerides of fatty acids eg lauric triglyceride or capric/caprylic triglyceride, such as the triglyceride available commercially under the trade name Miglyol 810 (Huls UK), and the polypropylene glycol ether of stearyl alcohol known as PPF-15 Stearyl Ether. Particularly preferred emollients are octyldodecanol and polysiloxane compounds, in particular those known as dimethicones.

b) **Humectants or Moisturisers** - ingredients intended to increase the water content of the top layers of the skin. Examples of such ingredients are glycerin, sorbitol, 1,3-butylene glycol and propylene glycol.

c) **Surfactants** - Surfactants may be used in compositions according to the invention as solubilisers, or as cleansing agents or foam boosters. Many different classes of surfactant may be suitable for inclusion in the composition according to the invention, and these will be readily apparent to those skilled in the art. Examples of suitable surfactants include anionic surfactants (eg sodium laureth sulphate , non ionic surfactants (eg cocoglucoside) cationic surfactants and/or amphoteric surfactants (eg cocoamidoproyl betaine). Polyethylene glycol ethers of alcohols such as isocetyl alcohol (eg Isoceteth- 20), isostearyl alcohol (eg Isosteareth-20), cetyl alcohol (eg Ceteth-20), oleyl alcohol (eg Oleth-20) and cetearyl alcohol (eg Ceteareth-20).

d) **Preservatives** - ingredients which prevent or retard microbial growth and thus protect the composition from spoilage. Examples of preservatives include such as propylparaben, bronopol, sodium dehydroacetate, polyhexamethylenebiguanide hydrochloride, isothiazolone and diazolidinylurea.

e) **Chelating agents or sequestering agents (sequestrants)** - ingredients that have the ability to complex with and inactivate metallic ions in order to prevent their adverse effects on the stability or appearance of the composition, as described above. Examples of chelating agents are

ethylenediamine tetraacetic acid and its salts, notably the dipotassium and especially the disodium or tetrasodium salt.

5 f) **Abrasives** - ingredients used to assist in the removal of unwanted tissue or foreign materials from the skin during application of the composition. Abrasives commonly comprise fine solid particles. Examples of suitable abrasives are polyethylene beads and aluminium oxide

10 g) **opacifying agents** such as clays (eg kaolin and bentonite) as well as titanium dioxide.

h) **pH adjusters** - Ingredients used to control the pH of the composition. Examples of pH adjusters are inorganic salts such as sodium hydroxide, and organic bases such as triethanolamine and arginine.

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i) **Conditioning agents**, for example distearyldimonium chloride.

j) **Perfumes and colourings.**

20 The composition according to the invention may be applied and left on the skin to have the desired therapeutic effect or it may be applied and then rinsed off, for example with water for surfactant based formulations. The composition may be applied with the aid of a fibrous material, for example a pad or a wipe.

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According to another aspect of the invention, there is provided an article comprising a fibrous substrate, for example a material in the form of a pad or a wipe, impregnated with a skincare composition comprising salicylic acid or a salt thereof and at least 2 actives selected from the group consisting of lactic acid or a salt thereof; glycyrrhizinic acid or a salt or derivative thereof; bisabolol; cetylhydroxyproline palmitamide; allantoin; niacinamide; and, and epilobium angustifolium extract.

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The fibrous material may be used to apply the composition onto the skin.

Suitable fibrous materials include cellulose or cotton fibres or a mixture thereof. The fibrous material may be impregnated with the composition as a wet wipe which is arranged for immediate use to apply the skincare composition of the present invention to the skin of the user. Alternatively, the
5 fibrous material may be impregnated with the skincare composition and dried to form a dry wipe which requires to be wetted, for example with water, before it can be used.

According to a further aspect of the invention, there is provided method for the
10 prophylactic or remedial treatment of acne, which method comprises the topical application to the skin of a patient of a skincare composition comprising salicylic acid or a salt thereof and at least 2 of the list comprising lactic acid or a salt thereof; glycyrrhizinic acid or a salt and their derivatives , bisabolol; cetylhydroxyproline palmitamide, allantoin, niacinamide. and
15 epilobium angustifolium extract.

It will be appreciated that the method according to this aspect of the invention may be a therapeutic method, but will often be a primarily cosmetic method, the objective of which is to reduce or eliminate externally visible, and often
20 unsightly, symptoms of acne vulgaris.

In a yet further aspect of the invention, there is provided the use of salicylic acid and at least 2 actives selected from the group consisting of lactic acid (or salts thereof); glycyrrhizinic acid (or salts or derivatives thereof); bisabolol;
25 cetylhydroxyproline palmitamide; allantoin;, niacinamide and epilobium angustifolium in the manufacture of a composition for the prophylactic or remedial treatment of acne by topical application of the composition to the skin.

The invention will now be described in greater detail, by way of illustration only, with reference to the following Examples.

Example 1: Serum

5 Example 2: Clear gel scrub

Example 3: Pearllised Gel Scrub

Example 4: Wash /mask

Example 5: Wash / mask

Example 6: Hydro alcoholic gel

10 Example 7: Cream Scrub

Example 8: Foaming Cream Scrub

The composition of each of these examples is shown fully in the following Tables 1-8.

Example 1

Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in final formula
Purified water	QS 100	Solvent	Aqua	to100%
Dissolvine Na2	0.05	Sequestrant	Disodium EDTA	0.05000
Carbopol Ultrez 20	0.60	Thickener		0.60000
Veegum Ultra	0.25	Viscosity control (Thickener)	Magnesium Aluminum Silicate	0.24250
			CI 77891	0.00750
Keltrol RD	0.75	Emulsion stabilising/Viscosity control	Xanthan Gum	0.75000
Titanium dioxide Ph Eur	0.20	pigment	CI 77891	0.20000
Eutanol G	4.50	Emollient	Octyldodecanol	4.50000
Arlamol HD	1.50	Emollient	Isohexadecane	1.50000
Silfar 100	2.00	Skin conditioning	Dimethicone	2.00000
Salicylic acid	2.00	Keratolytic active	Salicylic Acid	2.00000
DENATURED ETHANOL SDA-40B 200 PROOF	4.80	Solvent	Alcohol Denat. (Ethyl Alcohol)	4.79376
		Denaturant	Denatonium Benzoate	0.00003
		Denaturant	Tert-Butyl alcohol	0.00624
SEPIGEL 305	2.0000	Emulsion stabilising/Viscosity control	Aqua	0.71167
			Polyacrylamide	0.80000
			C13-14 Isoparaffin	0.37833
			Laureth-7	0.11000
CLEARLY FRESH FRAGRANCE	0.2000	Fragrance	Benzyl salicylate	0.01844
			Limonene	0.00689
			Parfum	0.20000
Sodium hydroxide 30% soln	2.35	Buffering agent	Aqua	1.64500
			Sodium hydroxide	0.70500
Purasal S/HQ 60	3.33	moisturiser, skin lightener, anti-inflammatory	Aqua	1.332
			Sodium Lactate	1.99800
Symrepair	0.50	Anti-inflammatory, wound healing	Hexyldecanol	0.42000
			Bisabolol	0.02500
			Cetylhydroxyproline Palmitamide	0.02500
			Stearic Acid	0.02500
			Brassica Campestris Sterols	0.00500
Nicotinamide	2.00	skin lightening, anti-inflammatory	Niacinamide	2.00000

Dipotassium Glycyrrhizate	0.10	anti-inflammatory / skin lightening	Dipotassium Glycyrrhizate	0.10000
Allantoin	0.50	anti-inflammatory	Allantoin	0.50000
Canadian Willowherb	0.50	Anti-inflammatory	Epilobium angustifolium	0.0100

Example 2

Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in final formula
Purified Water	To 100%	Solvent	Aqua	to 100%
Carbopol Ultrez 20	1.3	Suspending Agent	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	1.3
Dissolvine Na2	0.1	Sequestering Agent	Disodium EDTA	0.1
Glycerin	8	Humectant	Glycerin	8
Sorbitol	2	Humectant	Sorbitol	1.40
			Aqua	0.60
Empicol ESB3/M6	20	Surfactant	Aqua	14.37
			Sodium Laureth Sulfate	5.40
			Sodium Hydroxide	0.2
Salicylic Acid	2	Active	Salicylic Acid	2
Cocoglucoside	4.8	Surfactant	Aqua	2.352
			Cocoglucoside	2.544
Tego Betaine	6.9	Surfactant	Cocamidopropyl Betaine	2.553
			Aqua	3.726
			Sodium Chloride	0.5037
Perfume Clearly Fresh	0.25	Fragrance	Parfum	0.25
			Limonene	0.010329
			Benzyl Salicylate	0.023055
Sodium Hydroxide	3	pH Adjuster	Sodium Hydroxide	0.9
			Aqua	2.1
Aluminium Oxide	1.2	Exfoliating Beads	Alumina	1.2
Cotahylene HO 1681	1	Exfoliating Beads	Polyethylene	1
Gotalene Green	0.2	Exfoliating Beads	Polyethylene + COLOUR (TBD)	0.2
Genamin PQ 43	1	Skin Conditioner	Aqua	0.85
			Polyquaternium 43	0.15
FD&C Yellow 6	0.001	Colourant	CI 15985	0.001
FD & C Blue 1	0.002	Colourant	CI 42090	0.002
Purasal S/HQ 60	3.33	Moisturiser, Skin lightener, Anti-inflammatory	Aqua	1.3320
			Sodium Lactate	2.0000
Nicotinamide	2.00	Skin lightening, Anti-inflammatory	Niacinamide	2.0000
Dipotassium Glycyrrhizate	0.10	Skin lightening, Anti-inflammatory	Dipotassium Glycyrrhizate	0.1000
SymRepair	0.50	Anti-inflammatory,	Hexyldecanol	0.42000

		Wound healing	Bisabolol	0.02500
			Cetylhydroxyproline Palmitamide	0.02500
			Stearic Acid	0.02500
			Brassica Campestris Sterols	0.00500
Allantoin	0.50	Anti-inflammatory	Allantoin	0.5000
Canadian Willowherb	0.50	Anti-inflammatory	Epilobium angustifolium	0.0100

Example 3

Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in final formula
Purified Water	To 100%	Solvent	Aqua	To 100%
Carbopol Ultrez 20	1.4	Suspending Agent	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	1.4
Dissolvine Na2	0.1	Sequestering Agent	Disodium EDTA	0.1
Glycerin	8	Humectant	Glycerin	8
Polyquaternium 43	0.7	Conditioning Agent	Polyquaternium 43	0.105
			Aqua	0.595
Cocoglucoside	4.8	Surfactant	Aqua	2.352
			Cocoglucoside	2.544
Tego Betaine	6.9	Surfactant	Cocamidopropyl Betaine	2.553
			Aqua	3.726
			Sodium Chloride	0.5037
Glycol Distearate	2.5	Pearlising Agent	Aqua	1.625
			Glycol Distearate	0.25
			Laureth-4	0.25
			Cocamidopropyl Betaine	0.25
			Citric Acid	0.125
Empicol ESB3/M6	26.7	Surfactant	Aqua	19.18395
			Sodium Laureth Sulfate	7.209
			Sodium Hydroxide	0.267
Salicylic Acid	2	Active	Salicylic Acid	2
Sodium Hydroxide	3	pH Adjuster	Sodium Hydroxide	0.9
			Aqua	2.1
Perfume Clearly Fresh	0.2	Fragrance	Parfum	0.2
			Benzyl Salicylate	0.027666
			Limonene	0.006886
Aluminium Oxide	2.2	Exfoliating	Alumina	2.2
Coathylene HO1681	2	Exfoliating	Polyethylene	2
Gotalene Green	0.2	Exfoliating	Polyethylene (+ CI TBD)	0.2
FD & C Yellow No.6	0.0015	Colour	CI 15985	0.0015
Blue No.1 FD&C	0.00225	Colour	CI 42090	0.00225
Purasal S/HQ 60	3.33	Moisturiser, Skin lightener, Anti-inflammatory	Aqua	1.3320
			Sodium Lactate	2.0000
Nicotinamide	2.00	Skin lightening, Anti-inflammatory	Niacinamide	2.0000

Dipotassium Glycyrrhizate	0.10	Skin lightening, Anti-inflammatory	Dipotassium Glycyrrhizate	0.1000
SymRepair	0.50	Anti-inflammatory, Wound healing	Hexyldecanol	0.42000
			Bisabolol	0.02500
			Cetylhydroxyproline Palmitamide	0.02500
			Stearic Acid	0.02500
			Brassica Campestris Sterols	0.00500
Allantoin	0.50	Anti-inflammatory	Allantoin	0.5000
Canadian Willowherb	0.50	Anti-inflammatory	Epilobium angustifolium	0.0100

Example 4

Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in final formula
Purified Water	to 100%	Solvent	Aqua	To 100%
Dissolvine Na2	0.01	Sequestering Agent	Disodium EDTA	0.0100
Glycerin	8.00	Humectant	Glycerin	8.0000
Sodium Hydroxide 30% Solution	1.25	pH Adjuster	Aqua	0.8750
			Sodium Hydroxide	0.3750
Keltrol RD	0.20	Emulsion Stabiliser/ Thickener	Xanthan Gum	0.20
Veegum Ultra	0.20	Emulsion Stabiliser/ Thickener	Magnesium Aluminium Silicate	0.194
			CI77891	0.006
Dehydol LS3	4.00	Emulsifier/ Surfactant	Laureth-3	4.0000
Lanette 1665	8.00	Emulsifier	Cetearyl Alcohol	8.0000
Salicylic Acid	2.00	Active	Salicylic Acid	2.0000
Hostopan SCI 85G	10.00	Surfactant	Sodium Cocoyl Isethionate	8.5000
		Emollient/Emulsifying/Surfactant	Coconut Acid	1.0000
		Antistatic/Hair conditioning/Cleansing	Sodium Isethionate	0.4000
		Solvent	Aqua	0.0010
Empicol ESB3/ M6	4.00	Surfactant	Aqua	2.8740
			Sodium Laureth Sulfate	1.080
			Sodium Hydroxide	0.040
Tego glycinate 818 M	3.50	Non-ionic surfactant	Sodium cocoamphoacetate	1.05000
			Aqua	2.17000
Kaolin	6.00	Clay	Hydrated Aluminium Silicate	6.0000
Dry Flo PC	2.00	Oil Absorber	Aluminum Starch Octenylsuccinate	2.0000
Titanium Dioxide Ph Eur	2.00	Opacifier	CI77891	2.0000
Perfume Clearly Fresh	0.30	Fragrance	Parfum	0.3000
			Benzyl Salicylate	0.0277
			Limonene	0.0103
Phenonip	0.30	Preservative	Phenoxyethanol	0.2178
			Ethyl paraben	0.045
			Propyl paraben	0.012
			Isobutyl paraben	0.012

			Butyl Paraben	0.006
			Methyl Paraben	0.006
Bentonite	3.00	Sebum Absorber	Bentonite	3.0000
Purasal S/HQ 60	3.33	Moisturiser, Skin lightener, Anti-inflammatory	Aqua	1.3320
			Sodium Lactate	2.0000
Nicotinamide	2.00	Skin lightening, Anti-inflammatory	Niacinamide	2.0000
Dipotassium Glycyrrhizate	0.10	Skin lightening, Anti-inflammatory	Dipotassium Glycyrrhizate	0.1000
SymRepair	0.50	Anri-inflammatory, Wound healing	Hexyldecanol	0.42000
			Bisabolol	0.02500
			Cetylhydroxyproline Palmitamide	0.02500
			Stearic Acid	0.02500
			Brassica Campestris Sterols	0.00500
Allantoin	0.50	Anti-inflammatory	Allantoin	0.5000
Canadian Willowherb	0.50	Anti-inflammatory	Epilobium angustifolium	0.0100

Example 5

Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in final formula
Purified Water	To 100%	Solvent	Aqua	To 100%
Dissolvine Na2	0.05	Sequestering Agent	Disodium EDTA	0.05
Glycerin	7	Humectant	Glycerin	7.00
Polyquaternium 43	0.3	Conditioning Agent	Polyquaternium 43	0.045
			Aqua	0.255
Keltrol RD	0.3	Emulsion Stabiliser/ Thickener	Xanthan Gum	0.30
Veegum Ultra	0.3	Emulsion Stabiliser/ Thickener	Magnesium Aluminium Silicate	0.291
			CI77891	0.009
Butylene Glycol	3	Humectant	Butylene Glycol	3.00
Salicylic Acid	2	Active	Salicylic Acid	2.00
Empicol ESB3/ M6	13.3	Surfactant	Aqua	9.5561
			Sodium Laureth Sulfate	3.591
			Sodium Hydroxide	0.133
Cocoglucoside 50%	3.2	Surfactant	Aqua	1.568
			Cocoglucoside	1.696
Tego Betaine	4.6	Surfactant	Cocamidopropyl Betaine	1.702
			Aqua	2.484
			Sodium Chloride	0.3358
Phenonip	0.3	Preservative	Phenoxyethanol	0.2178
			Ethyl paraben	0.045
			Propyl paraben	0.012
			Isobutyl paraben	0.012
			Butyl Paraben	0.006
			Methyl Paraben	0.006
Sodium Hydroxide	1.25	pH Adjuster	Sodium Hydroxide	0.38
			Aqua	0.88
Kaolin	8	Clay	Hydrated Aluminium Silicate	8.00
Bentonite	4	Sebum Absorber	Bentonite	4.0000
Titanium Dioxide	2	Opacifier	CI77891	2.0000
Fragrance Clearly Fresh	0.2	Fragrance	Parfum	0.2000
			Benzyl Salicylate	0.0277
			Limonene	0.0069
Structure XL	2	Thickener / foam booster	Hydroxypropyl Starch Phosphate	2.0000

Structure Plus	0.4	Thickener	Acrylates / Aminoacrylates / C10-30 Alkyl PEG-20 Itaconate Copolymer	0.0800
			Aqua	0.3160
			Phenoxyethanol	0.00288
			Methyl Paraben	0.00064
			Ethyl Paraben	0.00016
			Propyl Paraben	0.00008
			Butyl Paraben	0.00016
			Isobutyl Paraben	0.00008
Blue No.1 FD&C	0.0018	Colour	CI 42090	0.0018
Purasal S/HQ 60	3.33	Moisturiser, Skin lightener, Anti-inflammatory	Aqua	1.332
			Sodium Lactate	1.998
Nicotinamide	2	Skin lightening, Anti-inflammatory	Niacinamide	2.000
Dipotassium Glycyrrhizate	0.1	Skin lightening, Anti-inflammatory	Dipotassium Glycyrrhizate	0.100
SymRepair	0.5	Anri-inflammatory, Wound healing	Hexyldecanol	0.420
			Bisabolol	0.025
			Cetylhydroxyproline Palmitamide	0.025
			Stearic Acid	0.025
			Brassica Campestris Sterols	0.005
Allantoin	0.5	Anti-inflammatory	Allantoin	0.5
Canadian Willowherb	0.50	Anti-inflammatory	Epilobium angustifolium	0.0100

Example 6

Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in final formula
Purified water	Qs 100	Solvent	Aqua	To 100%
Jaguar HP 105	1.20	Thickener	Hydroxypropyl Guar	1.12680
			Aqua	0.10800
			Proteins	0.01200
			Ashes	0.01920
Timiron Silk Green	0.20	pearlising agent	CI77891	0.14200
			Mica	0.07400
			Tin oxide	0.00200
Salicylic acid	2.00	Keratolytic active	Salicylic Acid	2.00000
Tween 20	2.50	surfactant	Polysorbate 20	2.50000
DENATURED ETHANOL SDA-40B 200 PROOF	27.00	Solvent	Alcohol Denat. (Ethyl Alcohol)	26.96490
		Denaturant	Denatonium Benzoate	0.00016
		Denaturant	Tert-Butyl alcohol	0.03510
Sodium hydroxide 30% soln	2.00	Buffering agent	Aqua	1.40000
			Sodium hydroxide	0.60000
CLEARLY FRESH FRAGRANCE	0.2000	Fragrance	Benzyl salicylate	0.01844
			Limonene	0.00689
			Parfum	0.00000
Purasal S/HQ 60	3.33	moisturiser, skin lightener, anti-inflammatory	Aqua	1.332
			Sodium Lactate	1.99800
Symrepair	0.50	Anti-inflammatory, wound healing	Hexyldecanol	0.42000
			Bisabolol	0.02500
			Cetylhydroxyproline Palmitamide	0.02500
			Stearic Acid	0.02500
			Brassica Campestris Sterols	0.00500
Nicotinamide	2.00	skin lightening, anti-inflammatory	Niacinamide	2.00000
Dipotassium Glycyrrhizate	0.10	anti-inflammatory / skin lightening	Dipotassium Glycyrrhizate	0.10000
Allantoin	0.50	anti-inflammatory	Allantoin	0.50000
Canadian Willowherb	0.50	Anti-inflammatory	Epilobium angustifolium	0.0100

Example 7

Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in final formula
None	To 100%	Solvent	Aqua	To 100%
DISSOLVINE NA2	0.01000	Sequestrant	Disodium EDTA	0.01000
Veegum ultra	0.25000	Emulsion stabiliser / Thickener	Magensium Aluminium Silicate	0.24250
			CI77891	0.00750
Keltrol RD	0.50000	Emulsion stabiliser / Thickener	Xanthan Gum	0.25
Glycerin 99.7% USP	3.00000	Humectant	Glycerin	3.00000
Arlamole E	2.00000	Emollient	PPG-15 Stearyl Ether	2.00000
			Stearyl Alcohol	3
SALICYLIC ACID USP	2.00000	Keratolytic	Salicylic Acid	2.00000
Varisoft TA 100	1.50000	Skin Conditioning	Distearyldimonium Chloride	1.44000
			Aqua	0.06000
			Sodium Chloride	0.00225
Tego Alkanol 16	1.00000	Emollient	Myristyl Alcohol	0.02500
			Cetyl Alcohol	1.00000
Birj 721	0.50000	Emulsifier	Steareth-21	0.49000
			Aqua	0.01000
			Stearyl Alcohol	0.03360
			Arachidyl Alcohol	0.08400
			Behenyl Alcohol	0.33600
Tego Alkanol S2	0.25000	Emulsifier	Steareth-2	0.25000
Stepanol-WA extra PCA (SLS)	3.57000	Surfactant	Aqua	2.53470
			Sodium Lauryl Sulfate	1.07100
			Lauryl Alcohol	0.04641
			Sodium Sulfate	0.02499
Tego Betain A 16	6.67000	Surfactant	Aqua	3.60180
			Cetyl Betaine	2.13440
			Alcohol	0.66700
			Sodium Chloride	0.46690
Clearly Fresh E0525379	0.35000	Fragrance	Benzyl Salicylate	0.03228
			Limonene	0.01205
			Parfum	0.35000
Aluminium oxide F100	8.00000	Abrasive agent	Alumina	8.00000
Purasal S/HQ 60	3.33	Moisturiser, skin lightener, anti-inflammatory	Aqua	1.333
			Sodium Lactate	2.00000

SymRepair	0.50	Anti-inflammatory, wound healing	Hexyldecanol	0.42000
			Bisabolol	0.02500
			Cetylhydroxyproline Palmitamide	0.02500
			Stearic Acid	0.02500
			Brassica Campestris Sterols	0.00500
Nicotinamide	2.00	Skin lightening, anti-inflammatory	Niacinamide	2.00000
Dipotassium Glycyrrhizate	0.10	Anti-inflammatory / skin lightening	Dipotassium Glycyrrhizate	0.10000
Allantoin	0.50	anti-inflammatory	Allantoin	0.50000
Canadian Willowherb	0.50	Anti-inflammatory	Epilobium angustifolium	0.0100

Example 8

Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in final formula
None	To 100%	Solvent	Aqua	to 100%
DISSOLVINE NA2	0.05000	Sequestrant	Disodium EDTA	0.05000
Carbopol ultrez 20	0.30000	thickener	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.30000
			Ethyl Acetate	0.00135
			Cyclohexane	0.00135
Glycerin 99.7% USP	3.00000	Humectant	Glycerin	3.00000
FD&C Blue No. 1 Granules	0.00045	Colorant	CI 42090	0.00042
FD&C Yellow 6	0.00030	Colorant	CI 15985	0.00030
Hostapon SCI 85G	10.00000	Surfactant	Sodium Cocoyl Isethionate	8.50000
			Coconut Acid	1.00000
			Sodium Isethionate	0.40000
			Aqua	0.10000
Genapol LA030	3.00000	Emulsifying / Surfactant	Laureth-3	3.00000
Tego Alkanol 16	6.00000	Emollient	Myristyl Alcohol	0.15000
			Cetyl Alcohol	6.00000
SALICYLIC ACID USP	2.00000	Keratolytic	Salicylic Acid	2.00000
Empicol ESB3/M6	9.26000	Anionic Surfactant	Sodium Laureth Sulfate	2.54650
			Aqua	6.80610
Sodium Hydroxide 30%	1.25000	Buffering agent	Sodium hydroxide	0.37500
			Aqua	1.12500
Tego glycinate 818 M	6.13000	Non-ionic surfactant	Sodium cocoamphoacetate	1.83900
			Aqua	3.80060
Clearly Fresh E0525379	0.35000	Fragrance	Benzyl Salicylate	0.03228
			Limonene	0.01205
			Parfum	0.35000
Genamin PQ 43	0.10000	Conditioning agent	Polyquaternium 43	0.08500
			Aqua	0.01500
Aluminium oxide F100	8.00000	Abrasive agent	Alumina	8.00000
Parabeads green	0.50000	Exfoliant	Mycrocristalline wax	0.48995
			CI 77289	0.01000
			Tocopherol (Processing aid)	0.00005

Purasal S/HQ 60	3.33	Moisturiser, skin lightener, anti- inflammatory	Aqua	1.33300
			Sodium Lactate	2.00000
SymRepair	0.50	Anti-inflammatory, wound healing	Hexyldecanol	0.42000
			Bisabolol	0.02500
			Cetylhydroxyproline Palmitamide	0.02500
			Stearic Acid	0.02500
			Brassica Campestris Sterols	0.00500
Nicotinamide	2.00	Skin lightening, anti- inflammatory	Niacinamide	2.00000
Dipotassium Glycyrrhizate	0.10	Anti-inflammatory / skin lightening	Dipotassium Glycyrrhizate	0.10000
Allantoin	0.50	anti-inflammatory	Allantoin	0.50000
Canadian Willowherb	0.50	Anti-inflammatory	Epilobium angustifolium	0.0100

Example 9

Supplier	Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in raw material	% w/w in final formula
	Purified water	73.12	Solvent	Aqua	100	73.12
Akzo Nobel	Dissolvine Na ₂	0.05	Sequestrant	Disodium EDTA	100	0.05
Noveon	Carbopol Ultrez 20	0.60	Thickener	Acrylates/C10-30 Alkyl Acrylate crosspolymer	100	0.6
RT Vanderbilt Co	Veegum Ultra	0.25	Viscosity control (Thickener)	Magnesium Aluminum Silicate	97	0.2425
				Titanium Dioxide	3	0.0075
CP Kelco	Keltrol RD	0.60	Emulsion stabilising Viscosity control	Xanthan Gum	100	0.6
sensient	Titanium dioxide Ph Eur	0.20	pigment	Titanium Dioxide	100	0.2
Cognis	Eutanol G	4.50	Emollient	Octyldodecanol	100	4.5
Croda	Arlamol HD	1.50	Emollient	Isohexadecane	100	1.5
Wacker	Silfar 100	2.00	Skin conditioning	Dimethicone	100	2.0
Rhodia	Salicylic acid	2.00	Keratolytic active	Salicylic Acid	100	2.0
MGP Ingredients	Denatured Ethanol	4.80	Solvent	Alcohol Denat. (Ethyl Alcohol)	99.87	4.79376
Seppic	SEPIGEL 305	2.0	Emulsion stabilising/Viscosity control	Water	35.583	0.71167
				Polyacrylamide	40	0.8
				C13-14 Isoparaffin	18.917	0.37833
				Laureth-7	5.5	0.11
Mane	CLEARLY FRESH FRAGRANCE	0.20	Fragrance	Benzyl salicylate	9.222	0.01844
				Limonene	3.443	0.00689
				Fragrance	100	0.2
Univar	Sodium hydroxide 30% soln	2.35	Buffering agent	Water	70	1.645
				Sodium hydroxide	30	0.705
Purac	Purasal S/HQ 60	3.33	moisturiser, skin lightener, anti-inflammatory	Water	40	1.332
				Sodium Lactate	60	1.998
Symrise	Symrepair	0.50	Anti-inflammatory, wound healing	Hexyldecanol	84	0.42
				Bisabolol	5.0	0.025
				Cetylhydroxyproline Palmitamide	5.0	0.025
				Stearic Acid	5.0	0.025
				Brassica Campestris Sterols	1.0	0.005
Rona (S Black)	Nicotinamide	2.00	skin lightening, anti-inflammatory	Niacinamide	100	2.0

Jan Dekkar (Mauruzen)	Dipotassium Glycyrrhizate	0.05	anti- inflammatory / skin lightening	Dipotassium Glycyrrhizate	100	0.05
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Example 10

Supplier	Trade Name	% w/w in Formula	Function	EU INCI Name	% w/w in raw material	% w/w in final formula
-	Purified Water	56.55685	Solvent	Aqua	100	56.55685
BASF	Trilon BD	0.05	Sequestering Agent	Disodium EDTA	100	0.050
P & G	Glycerin	5.00	Humectant	Glycerin	100	5.00
CP Kelco	Keltrol RD	1.00	Emulsion stabiliser/ Thickener	Xanthan Gum	100	1.00
Rhodia	Salicylic Acid	2.00	Active	Salicylic Acid	100	2.00
Huntsman	Empicol ESB3/ M6	10.70	Surfactant	Sodium Laureth Sulfate	27.5	2.9425
				Aqua	73.5	7.8645
Cognis	Cocoglucoside 50%	1.00	Surfactant	Aqua	49	0.490
				Cocoglucoside	53	0.530
Evonik	Tego Betaine	1.31	Surfactant	Cocamidopropyl Betaine	37	0.485
				Aqua	54	0.707
				Sodium Chloride	7.3	0.0956
Brenntag	Sodium Hydroxide	1.20	pH Adjuster	Sodium Hydroxide	30	0.36
				Aqua	70	0.840
Brenntag	Kaolin	6.00	Clay	Hydrated Aluminium Silicate	100	6.00
Brenntag	Bentonite	6.00	Sebum Absorber	Bentonite	100	6.00
Huntsman	Titanium Dioxide	3.00	Opacifier	CI77891	100	3.00
Mane	Fragrance Clearly Fresh	0.30	Fragrance	Benzyl Salicylate	9.222	0.03
				Limonene	3.443	0.01
				Parfum	100	0.30
Sun Chem	Blue No.1	0.0026	Colour	CI 42090	100	0.00260
Sun Chem	Yellow No.6	0.00055	Colour	CI 15985	100	0.00055
Purac	Purasal S/HQ 60	3.33	Moisturiser, Skin lightener, Anti-inflammatory	Aqua	40	1.33
				Sodium Lactate	60	2.00
Rona (S Black)	Nicotinamide	2.00	Skin lightening, Anti-inflammatory	Niacinamide	100	2.00
Jan Dekkar (Mauruzen)	Dipotassium Glycyrrhizate	0.05	Skin lightening, Anti-inflammatory	Dipotassium Glycyrrhizate	100	0.05
Symrise	SymRepair	0.50	Anti-inflammatory, Wound healing	Hexyldecanol	84	0.42
				Bisabolol	5	0.03
				Cetylhydroxypropylene Palmitamide	5	0.03
				Stearic Acid	5	0.03

				Brassica Campestris Sterols	1	0.01
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Example 11 - in vitro testing (EpiDerm skin model)

Material	MTT < 95%	IL-6 no PMA	IL-6 + PMA	TNF α no PMA (pg/ml)	TNF α + PMA (pg/ml)	IL-8 no PMA (pg/ml)	IL-8 no PMA (pg/ml)
		(pg/ml)	(pg/ml)				
Negative Control value			-0.371		63.64		996.8
Positive control (hydrocortisone)			-4.358		-0.378		48.5
Nicotinamide (NA)	96.8	-4.294	-2.712	-0.171	40.202	47.54	1383.235
Dipotassium glycyrrhizinate (GLYR)	93.7	-1.781	7.591	-0.636	78.48	44.413	995.622
Sodium Lactate (SLA)	99.1	4.909	22.6	0.882	92.434	104.549	1368.319
Symrepair (SYM)	101.3	-4.231	1.512	-0.687	72.343	17.767	735.562
Salicylic acid (SCA)	103.2	-1.445	6.159	-0.068	12.265	72.757	362.253
SCA + NA	106.3	-4.231	-3.407	-0.481	5.535	38.963	392.411
GLYR + SCA + NA	105.6	-3.153	-0.877	-0.274	4.541	61.931	412.226
NA + GLYR + SLA	113.7	-2.837	1.955	-0.088	52.327	62.91	2513.021
Example 9 (NA + GLYR + SLA + SCA)	99.7	-1.192	1.267	-0.171	9.802	88.766	938.475

The purpose of the in vitro testing was to evaluate the potential anti-inflammatory action of compositions according to the present invention.

In vitro tests were carried out as follows:

- take an irritant treated EpiDerm (TM) skin model. Initial inflammation was measured by the cytokine release after exposure to a single dose of irritant.
- apply test compositions to the irritant treated EpiDerm skin
- anti-inflammatory potential was then measured by reduction in cytokine release
- specifically, the levels of cytokines TNF- α , IL-6 and IL-8 were measured to give a picture of the performance of the product across the lifecycle of an acne event or related skin inflammation.

Experimental design follows standard procedures, using phorbol-12-myristate 13-acetate (PMA) as irritant. Test samples were applied by pipette as solutions to the Epiderm tissue, and each sample was tested in triplicate against positive and negative controls. Anti-inflammatory activity measured by
5 relative decrease in cytokine release in irritant-treated tissue compared to non-irritant treated tissue.

The separate active components of an example according to the invention were tested, along with some combinations in pairs and one combination
10 lacking the salicylic acid. Where these actives were applied, they were in the same w/w ratio as in the example composition, example 9. The data shown in the table are the cytokine release values in pg/ml, wherein a lower figure shows a lower release rate of cytokines i.e. a lower inflammation.

15 It will be seen that salicylic acid alone acts *inter alia* as an anti-inflammatory, but that unexpectedly it also acts with the combination of ingredients in the example according to the invention to reduce significantly the inflammatory behaviour of each of these ingredients. This synergistic behaviour is totally unexpected and permits the formulation of products according to the invention
20 such as the one tested which have a broad range of active ingredients to deal with traumas arising from every stage in the lifecycle of a specific acne event or related skin inflammation.

Claims

1. A skincare composition suitable for topical application to the skin, the composition comprising salicylic acid or a salt thereof in combination with at least 2 actives selected from the group consisting of;

- 5 • lactic acid or a salt thereof;
- glycyrrhizinic acid or a salt or derivative thereof;
- bisabolol;
- cetylhydroxyproline palmitamide;
- allantoin;
- 10 • niacinamide; and,
- epilobium angustifolium extract.

2. A composition as claimed in Claim 1 which comprises salicylic acid.

- 15 3. A composition as claimed in Claim 2, wherein the concentration of salicylic acid is at least 0.01 percent by weight, more preferably at least 0.1 percent by weight and most preferably at least 1 percent by weight.

- 20 4. A composition as claimed in Claim 2, wherein the concentration of salicylic acid is less than 10 percent by weight, more preferably less than 5 percent by weight, and most preferably less than 3 percent by weight.

- 25 5. A composition according to Claim 1, wherein the concentration of lactic acid or salt thereof is at least 0.01 percent by weight, more preferably at least 0.1 percent by weight and most preferably at least 1 percent by weight.

6. A composition as claimed in Claim 5, wherein the concentration of lactic acid or salt thereof is less than 10 percent by weight, more preferably less than 5 percent by weight, and most preferably less than 3 percent by weight.

- 30 7. A composition as claimed in Claim 1, wherein the concentration of glycyrrhizinic acid or a salt or derivative thereof is at least 0.01 percent by weight.

8. A composition as claimed in Claim 7, wherein the concentration of glycyrrhizinic acid or a salt or derivative thereof is less than 2 percent by weight, more preferably less than 1 percent by weight, and most preferably less than 0.5 percent by weight.

9. A composition as claimed in Claim 1, wherein the concentration of bisabolol is at least 0.001 percent by weight, more preferably at least 0.01 percent by weight and most preferably at least 0.02 percent by weight.

10. A composition as claimed in Claim 9, wherein the concentration of bisabolol is less than 1 percent by weight, more preferably less than 0.5 percent by weight..

11. A composition as claimed in Claim 1, wherein the concentration of cetylhydroxyproline palmitamide is at least 0.001 percent by weight, more preferably at least 0.01 percent by weight.

12. A composition as claimed in Claim 11, wherein the concentration of cetylhydroxyproline palmitamide is less than 1 percent by weight, more preferably less than 0.5 percent by weight.

13. A composition as claimed in Claim 1, wherein the concentration of allantoin is at least 0.01 percent by weight, more preferably at least 0.1 percent by weight and most preferably at least 0.2 percent by weight.

14. A composition as claimed in Claim 13, wherein the concentration of allantoin is less than 5 percent by weight, more preferably less than 2 percent by weight, and most preferably less than 1 percent by weight.

15. A composition as claimed in Claim 1, wherein the concentration of niacinamide is at least 0.01 percent by weight, more preferably at least 0.1 percent by weight and most preferably at least 1 percent by weight.

16. A composition as claimed in Claim 15, wherein the concentration of niacinamide is less than 10 percent by weight, more preferably less than 5 percent by weight.

5 17. A composition as claimed in Claim 1, wherein the concentration of epilobium angustifolium is at least 0.001 percent by weight, more preferably at least 0.01 percent by weight.

10 18. A composition as claimed in Claim 17, wherein the concentration of epilobium angustifolium is less than 1 percent by weight, more preferably less than 0.5 percent by weight.

15 19. A skincare composition according to any preceding claim comprising 0.1 to 5 wt% salicylic acid or a salt thereof in combination with at least 2 actives selected from the group consisting of:

- 0.1 to 5 wt% lactic acid or a salt thereof;
- 0.01 to 1 wt% glycyrrhizinic acid or a salt or derivative;
- 0.001 to 1 wt% bisabolol;
- 0.001 to 1 wt% cetylhydroxyproline palmitamide
- 20 • 0.1 to 2 wt% allantoin;
- 0.1 to 5 wt% niacinamide; and,
- 0.001 to 1% epilobium angustifolium extract.

25 20. A skincare composition according to claim 19 comprising 1 to 3 wt% salicylic acid or a salt thereof in combination with at least 2 actives selected from the group consisting of :

- 1 to 3 wt% lactic acid or a salt thereof;
- 0.01 to 0.5 wt% glycyrrhizinic acid or a salt or derivative thereof;
- 0.02 to 0.5 wt% bisabolol;
- 30 • 0.01 to 0.5 wt% cetylhydroxyproline palmitamide;
- 0.2 to 1 wt% allantoin;
- 0.5 to 5 wt% niacinamide; and,
- 0.01 to 0.5% epilobium angustifolium extract.

21. A composition as claimed in in any preceding claim wherein the pH is in the range from 3.5 to 6.0.

5

22. A composition as claimed in any preceding claim further comprising one or more further topically active skincare agents selected from an antimicrobial or anti-bacterial compound, an anti-viral compound, an anti-fungal compound, an anti-inflammatory compound and an anthelmintic compound.

10

23. A composition as claimed in any preceding claim, which has the form of an aqueous or oily solution surfactant wash or dispersion or emulsion or a gel. An emulsion may be an oil-in- water emulsion or a water-in-oil emulsion or microemulsion.

15

24. A composition as claimed in Claim 23 which is in the form of an emulsion.

25. A composition as claimed in Claim 24, wherein the emulsion is an oil-in-water emulsion.

20

26. A composition as claimed in claim 23, which is in the form of an aqueous gel.

25

27. A composition as claimed in any preceding claim, which further comprises a gelling and/or a thickening agent.

28. A composition as claimed in any preceding claim, which comprises an aqueous solvent system.

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29. A composition as claimed in Claim 28, wherein the solvent system is a mixed solvent system comprising water in admixture with a co-solvent.

30. A composition as claimed in Claim 29, wherein the co-solvent is an alcohol.

31. A composition as claimed in any preceding claim, which comprises one or more excipients selected from the group consisting of emulsifiers, emollients, lipids, humectants or moisturisers, binders, conditioning agents, emulsion
5 stabilising salts, preservatives, chelating agents or sequestering agents, abrasives, pH adjusters, surfactants, perfumes and colourings.

32. An article comprising a fibrous substrate impregnated with a skincare composition according to claim 1.

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33. An article as claimed in claim 32 comprising cellulose or cotton fibres or a mixture thereof.

34. A method for the prophylactic or remedial treatment of acne, which
15 method comprises the topical application to the skin of a patient of a skincare composition according to claim 1.

35. A method as claimed in Claim 34, which is a cosmetic method.

20 36. A method as claimed in Claim 34, which is a therapeutic method.

37. The use of a composition according to claim 1 in a composition for the prophylactic or remedial treatment of acne by topical application of the composition to the skin.

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38. A method for reducing irritancy associated with the topical application of a skincare composition comprising salicylic acid in combination with at 2 actives selected from the group consisting of lactic acid or a salt thereof; glycyrrhizinic acid or a salt or derivative thereof; bisabolol; cetylhydroxyproline palmitamide;
30 allantoin; niacinamide; and epilobium angustifolium extract.

39. A cosmetic method for improving the appearance of skin afflicted by acne lesions, said method comprising reducing the redness of said lesions by the topical application of a skincare composition comprising salicylic acid in

combination with at least 2 actives selected from the group consisting of: lactic acid or a salt thereof; glycyrrhizinic acid or a salt or derivative thereof; bisabolol; cetylhydroxyproline palmitamide; allantoin; niacinamide; and epilobium angustifolium extract.