

List of 140 major raw materials for 2024

▶ Liposome / Niosome

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|-----|---------------------------------------|--|-------------------|------|---------|
| 1 | Idebenone 1% Niosome Solution | Idebenone 3% niosome antioxidant, anti-aging. | Registered Patent | O | 1 ~ 10% |
| 2 | Idebenone 3% Liosome Solution | Idebenone 3% Liposome Antioxidant, anti-aging. | Registered Patent | - | 1~10% |
| 3 | Resveratrol 1% Niosome Solution | Antioxidant, whitening agent. | | O | 1~10% |
| 4 | Pore Clearing Liposome Solution | Blackhead Remover. | Registered Patent | O | 8~15% |
| 5 | Vita-some-ABCE | Liposome stabilized raw material with a complex of vitamins A, B, C and E. | | - | 0.1~3% |
| 6 | Cerasome Complex-SEX | Mixture of 5 ceramides, liposomal formulation, all 5 ceramides can be labeled. | | O | 0.1~3% |
| 7 | Peptasome Complex-5EX | Mixture of 5 peptides, stabilizing material. | | - | 0.1~3% |
| 8 | SILKSOME-6CS | Water-soluble silicone 30%, forms fine blue solubilization even when diluted in water, improves moisturizing sensation. | | O | 0.5~3% |
| 9 | MIZOAN ABLPHA-SOME | AHA, BHA, PHA, LHA stabilized by liposomalization, excellent exfoliation effect and skin turnover effect. | | O | 0.1~5% |
| 10 | Quercetin Niosome-200EX | Clearly soluble quercetin niosome solution, powerful homeostatic agent, also available in water-based formulations. | | - | 1~10% |
| 11 | TRANEXAMIC ACID-10% Liposome Solution | Stabilized with 10% tranexamic acid. | | - | 1~5% |
| 12 | BAKUHIOL LIPOSOME-1000 | Bacuchiol 10% stabilized liposomal formulation, water soluble, pseudo-retinol bioequivalent. | | - | 0.1~5% |
| 13 | SC-LIPIID-160EX | Surfactant lipid that forms liposomes in the supercritical state. Next generation liposomes. | Registered Patent | - | 1~3% |
| 14 | Idebenone 5% Oil Soluble | Idebenone 5% Liposomal usability stabilizer, antioxidant, anti-aging effect. | Registered Patent | - | 1~10% |
| 15 | Astaxanthin 0.3% Niosome Solution | Korea's largest content of 0.3% astaxanthin in niosomes Antioxidant effect. | O | O | 1~10% |
| 16 | Oryzanol 2% Niosome Solution | Oryzanol 2% Niosome stabilizing raw material, antioxidant, brightening. | | - | 1~10% |
| 17 | Genistein 3% Liposome Solution | Phytoestrogen Plant-based female hormone enhancement, firming, elasticity effect, liposome stabilizing ingredient. | | - | 1~5% |
| 18 | Daidzein 1% Liposome Solution | Phytoestrogen Enhances phytoestrogenic female hormones, firming, plumping, liposome-stabilized ingredients. | | - | 1~3% |
| 19 | Querbenone Niosome Solution-1100EX | Stabilizing ingredients containing idebenone + quercetin Strong antioxidant effect. | | - | 1~10% |
| 20 | Centellasome 10% Liposome Solution | Pharmacopoeia Centella Asiatica 10% stabilizing ingredient, USP grade. | | - | 1~5% |
| 21 | CoQ10-Niosome 1% Solution | Coenzyme Q10 niosome raw material. | | - | 1~8% |
| 22 | Biotin Liposome-VH1000 | Biotin, Vitamin H 1% Liposomal stabilized ingredient. | | - | 0.1~5% |
| 23 | Menadione Liposome VK1000 | Menadione, vitamin K 2% liposome-stabilized source. | | - | 0.1~5% |
| 24 | PureRetinol Liposome Solution-10000IU | Pure Retinol Clearly Dissolvable Liposomes in Water, Contains 10,000 IU. | | O | 0.1~3% |
| 25 | PureRetisome-A10MIU | Pure Retinol stabilized liposomes, 100,000 IU. | | - | 0.1~5% |
| 26 | AHK-Cu Liposome-1000 | AHK-Cu triple capsule patented ingredient: peptide (liposome) stabilized ingredient that is excellent for anti-hair loss and anti-wrinkle. | | - | 0.1~5% |
| 27 | Melatonin-Liposome-Solution | Melatonin liposome stabilized ingredient. | | - | 0.1~10% |
| 28 | CENTELLASOME-400EX | Centella Asiatica Liposome Stabilized Ingredients. | | - | 1~5% |
| 29 | TRE 3% Niosome Solution | Tumeric Root Extract (Main Ingredient: Tetrahydrocurcumin 3%) Stabilized Niosome Solution. | | O | 0.1~5% |
| 30 | Ursolic Acid Liposome-1000 | Ursolic Acid 10% Liposome Treatment Highly effective ingredient for wrinkle and whitening effect. | | - | 0.1~5% |
| 31 | Human Stem Cell Liposome-1000 | Human Stem Cell 10% Liposome Solution. | | - | 0.1~3% |
| 32 | ALA 3% Liposome Solution | Alpha Lipoic Acid 3% Liposome Solution, Highly effective ingredient. | | O | 0.1~3% |
| 33 | Nano Silk Fibroin Liposome | Nano Silk Fibroin Liposome Solution, Highly effective ingredients. | | - | 0.1~3% |

▶ Nano-Emulsion

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|-----|---------------------|--|-------------------|------|--------|
| 1 | NeoPIT TOCO-20 | Nanoemulsion with 20% tocopherol, oil-water balancer, antioxidant, easy to use in formulations. | | O | 1~10% |
| 2 | NeoPIT MCT-20EOF | Caprylic/Capric Triglyceride 20% Oil and water balancer. | | - | 1~10% |
| 3 | NeoPIT SS-BLK-30PLS | High organic content nanoemulsion, nanoemulsion for sunspray, possible ingredient for spray toner. | | - | 10~30% |
| 4 | DET-TS | Suspending agents, moisturizers - EO-free vegetable D-phase nanoemulsion with 50% oil, sheet masks, etc. | Registered Patent | O | 1~5% |
| 5 | NeoPIT CH-20 | Lightweight texture, PIT nanoemulsion, oil-water balancer. | | - | 1~10% |
| 6 | NeoPIT MACA-20EOF | Nanoemulsion containing 20% Macadamia oil, oil and moisture balancer, moisturizer. | | - | 1~10% |
| 7 | NeoPIT SR-20EOF | Super Rich Nanoemulsion with a rich texture, high moisturizer. | | - | 1~10% |
| 8 | NeoPIT SQ-20 | Nanoemulsion with 20% vegetable squalane, oil and moisture balancer. | | O | 1~10% |
| 9 | NeoPIT PHEM-15 | Nanoemulsion EOF, oil-water balancer, sheet mask only, China export only. | | - | 1~10% |

▶ Micro-Emulsion

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|-----|---------------------------|---|--------|------|--------|
| 1 | Microemulsion-Clear | High oil content transparent microemulsion formulation, unique formulation that transitions to fine 500nm when mixed in water. | | O | 1~5% |
| 2 | Microsome-Lutein1000 | Transparent microemulsion with lutein, self-emulsifying to a yellow 500 nm emulsion when mixed in water. | | - | 1~5% |
| 3 | Microsome-Idebe1000 | Transparent microemulsion with idebenone, self-emulsifying to a yellow 500nm emulsion when mixed with water. | | - | 1~5% |
| 4 | Microemulsion Phyco-Clear | Transparent bi-continuous microemulsion containing a high concentration of high phase-resistant grape seed oil: emulsifies to 500 nm when dissolved in water. | | O | 1~10% |

▶ Active

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|-----|------------------------------------|---|-----------------------------------|------|---------|
| 1 | Golden Silk AminoPeptide-GLY30 | Anhydrous Type, bio-fermented ingredient with 19 amino acids. | | - | 0.1~3% |
| 2 | BIO-HYALURONATE-070A | Nanocomposite with 7 types of hyaluronic acid. | | O | 0.1~2% |
| 3 | NANO CECOLJI-HK311 | Stratum corneum barrier enhancer composed of 3:1:1 ceramides + cholesterol + fatty acids. | Registered Patent | O | 0.1~5% |
| 4 | AHK-Cu | Anti-hair loss peptides. | | - | 0.10% |
| 5 | AHA-BHA-PHA Compound ingredients | AHA-BHA-PHA mixture, exfoliating effect, skin turnover effect. | | - | 0.1~20% |
| 6 | GHK-Cu | Anti-hair loss peptide. | | - | 0.10% |
| 7 | Royal Black 7 Complex | Plant extract composed of 7 kinds of black seeds. | | O | 1~8% |
| 8 | Galactomyces Ferment Filtrate | Galactomyces fermentation filtrate, SK-II ptera component. | | - | 0.1~30% |
| 9 | Oxygen Water-300 | Stabilized oxygenated water 30ppm. | Registered Patent, Chinese Patent | O | 10~70% |
| 10 | Oxygen Water-AHP8-3100 | Stabilized (30 ppm oxygenated water + Acetylhexapeptide-8) mixture. | Registered Patent, Chinese Patent | O | 1~30% |
| 11 | Bio-Hyaluronate-001A | 1% hyaluronic acid, best feel. | | O | 0.1~3% |
| 12 | Penet-hyaluronate-5000 | Low molecular weight hyaluronic acid that penetrates the skin. | | - | 0.1~5% |
| 13 | Keratin-HYD | Hydrolyzed Keratin, a popular raw material for hair. | | O | 0.1~3% |
| 14 | HYD-Keratin-EHP10 | Hydrolyzed Keratin, a popular raw material for hair. | | - | 0.01~1% |
| 15 | Tranexamic Acid | Used in whitening agents, Shiseido. | | - | 0.1~2% |
| 16 | Alpha-Lipoic Acid | Alpha Lipoic Acid BG. | | - | 0.1~2% |
| 17 | MAP (Magnesium Ascorbyl Phosphate) | VC-PMB. | | - | 0.1~2% |
| 18 | Glutathion Solution | Glutathione 6% solution. | | - | 0.1~10% |
| 19 | Jeju Refine Sea Water | Jeju seawater. | | O | 1~20% |
| 20 | Collastin | Collagen and Elastin Complex : Hydrolyzed Collagn & Hydrolyzed Elastin. | | - | 0.1~2% |
| 21 | AHK-Cu Double Capsule Bead | AHK-Cu double capsule patented ingredient: Peptide (liposome + matrix capsule) stabilizing ingredient that is excellent for anti-hair loss and wrinkle improvement. | | - | 0.1~5% |
| 23 | Hydrolyzed Soy Protein EXW-850 | Hydrolyzed soy protein. | | O | 1~50% |
| 24 | Mediato SC-127 | Added composite suitable for atopic skin. | | - | 0.1~5% |
| 25 | Pure Vita-C150WF | Stabilizing ingredient with 15% pure vitamins in anhydrous form. | | - | 10~30% |

➤ Powder

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|-----|--|--|-------------------|------|--------|
| 1 | Zinc Oxide P99/30 | ZnO with hexagonal structure, high SPF effect & PA protection, SPF50, PA++++ possible with powder alone. | | O | 1~25% |
| 2 | MicroNeedle HA-Coating | Microneedle powder 150um, registered patented raw material, surface coating with hyaluronic acid on hydrolyzed sponge. | Registered Patent | O | 1~5% |
| 3 | Cordycepin 98% Powder | Adenosine replacement anti-wrinkle functional ingredient. | | - | 0.10% |
| 4 | Microneedle Powder 150 | Microneedle powder 150um, Hydrolyzed Sponge. | Registered Patent | O | 1~3% |
| 5 | Fine TiO2 CCR-110 | The finest Nano TiO2, used as a tone-up expressing agent in basic formulations. | | - | 1~20% |
| 6 | Two-Layer Coated Powder | Two-phase detachable coating powder, Tone-up powder, sebum control effect. | Registered Patent | - | 3~8% |
| 7 | Gotu kola Extract Powder (Centella Asiatica Extract) | For Madecassol Ointment, Pharmaceutical USP grade. | | - | 0.1~2% |
| 8 | White Curcumin | White high purity curcuminoid powder, antioxidant, whitening agent Tumeric Root Extract White-900 CTFA listed ingredient. | | - | 0.1~3% |
| 9 | Allantoin | An irritation reliever. | | - | 0.1~2% |
| 10 | Modify-Gold-PDR | Gold Powder (golden color) for foundation only. | | O | 0.1~2% |
| 11 | Modify-Gold-PDR-10 | Gold powder for foundation (bronze color). | | O | 0.1~2% |
| 12 | BH-Powder-325 (Bonghwa Stone Red Powder, color only) | Pure domestic far-infrared blocking, powdered powder suitable for BB cream, foundation, etc. | Registered Patent | - | 1~8% |
| 13 | Fisetin 98% Powder | High-purity antioxidant extracted from lotus petals. | | - | 1% |
| 14 | Quercetin 98% Powder | High-purity antioxidant extracted from lotus petals. | | - | 1% |
| 15 | Stearyl Glycyrheizate 98% | Mouthwash, wound healer, irritant, botanical extract. | | - | 1% |
| 16 | Coenzym-Q10 | Coenzyme Q10 powder. | | - | 1% |
| 17 | Hybrid TiO2-PDSC | Tone-Up powder with liposomes coated on the surface of TiO2 with excellent skin adhesion, and makeup ingredient powder with excellent moisturizing power. | Registered Patent | O | 1~10% |
| 18 | Hybrid TiO2-EMSC | Tone-Up powder with natural oil coated on the surface of TiO2 for excellent skin adhesion, and makeup ingredient powder with excellent flexibility. | Registered Patent | - | 1~10% |
| 19 | Two Layer Powder Complex-23 | A beige powder with glucose and other polymers coated on the surface of the powder that settles easily and mixes well when shaken. | Registered Patent | - | 1~8% |
| 20 | BH Powder 21 | No. 21 color that can be applied to makeup formulations such as foundations, creams, and cushions with the natural color of the skin without additional tinting. | | - | 1~20% |
| 21 | BH Powder 23 | No. 23 for use in makeup formulations such as foundations, creams, cushions, etc. with the color of the skin without the need for a separate tint. | | - | 1~20% |

➤ Surfactant

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|-----|----------------------|--|---|------|--------|
| 1 | Solubil ORG-1300 | Organic vegetable solubilizers, O/W emulsifiers, HLB=15.2. | Korean & U.S. patent application, IFSCC thesis presentation | O | 0.1~5% |
| 2 | Solubil EWG-1100 | Vegetable solubilizer, O/W emulsifier, HLB=15.3. | | O | 0.1~5% |
| 3 | CEO-8305F | Surfactant for transparent cleansing oils, EWG-Green grade, SORBETH-30 TETRAOLEATE, HLB=11.58. | | O | 7~12% |
| 4 | MimicLipid MSM-1000 | Second skin model: Non-ionic surfactant, EWG grade 1, 10-60 layers lamellar structure liquid emulsifier. | Registered Patent | O | 1~5% |
| 5 | NatuPIT-Emul-8500 | Proprietary Natural PIT-only emulsifier that creates nanoemulsions without M/F treatment. | | - | 2~10% |
| 6 | Sugar Crystal LC | Natural liquid crystal emulsifier, excellent stability for low viscosity liquid crystal formation S class type. | IFSCC Paper Presentation KCI paper presentation | O | 1~5% |
| 7 | Sugar Crystal LC-100 | Natural liquid crystal emulsifier, excellent stability for low viscosity liquid crystal formation S class type. | | O | 1~5% |
| 8 | BioPhyro-PGI-250 | EWG-1 grade, solubilizer, O/W emulsifier, Glycereth-25 PCA Isostearate, HLB=14.1. | | O | 0.1~5% |
| 9 | MOP-875N | Sucrose-based vegetable surfactant for D-phase emulsification with high oil containment. | | O | 0.1~7% |
| 10 | WOWS | Strong network emulsifier for W/O, W/S only, suitable for sunblock, BB cream and foundation formulations. | | - | 2~8% |
| 11 | CleanEmul-7300 | Nanoemulsion and transparent microemulsion formation without M/F treatment Vegetable surfactant, proven material in EU export. | Registered Patent | O | 3~8% |
| 12 | CEW-120RE | Water-soluble surfactant for cleansing water. | | - | 1~5% |
| 13 | WOWS-125 | Network emulsifier for W/O, W/S, localized raw materials from Japan S. | | - | 2~8% |
| 14 | APDM-8020 | Shampoo, rinse, hair conditioning agent, Amino propyl dimethicone. | | - | 0.1~5% |

➤ Pigment

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|-----|------------------------------|--|--------|------|--------------|
| 1 | Natural Blue-4510EX | Can be tinted with stabilized vegetable blue pigment in small amounts. | | - | 0.05~0.2% |
| 2 | Natural Red-2500EX | May be colored in small amounts with stabilized vegetable red. | | - | 0.05~0.2% |
| 3 | Natural Yellow-2505EX | May be colored in low amounts with stabilized vegetable yellow. | | - | 0.05~0.2% |
| 4 | Natural Green-1808EX | May be tinted with stabilized vegetable green in low amounts. | | - | 0.05~0.2% |
| 5 | Oil-Sol-Blue-5610EX | UsefulnessNatural color: Can be used in cleansing oils, natural carrier oils, etc. | | O | 0.05~0.2% |
| 6 | Red Cabbage Extract-Anto012C | Stabilized vegetable green color. | | O | 0.05~0.2% |
| 7 | Cacao Extract-958B | Stabilized vegetable cacao color. | | O | Less than 1% |

➤ Etc.

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|-----|--|---|--------------------------|------|--------|
| 1 | Condi-Dongbaek-300 | Water soluble camellia oil. | IFSCC Paper Presentation | O | 1~20% |
| 2 | Condi-Argan-300 | Water soluble argan oil. | IFSCC Paper Presentation | O | 1~20% |
| 3 | Condi-Joboba-300 | Water-soluble joboba oil. | IFSCC Paper Presentation | O | 1~20% |
| 4 | Natural Oil Mixture | 5 low-cost vegetable oils (rapeseed oil, argan oil, macadamia oil, apricot kernel oil, grapeseed oil). | | O | 1~10% |
| 5 | Colloidal Gold | Colloidal gold, 50 ppm pure gold. | | - | 0.1~2% |
| 6 | Colloidal Silver | Koloidal Silver, 100 ppm pure silver. | | O | 0.1~2% |
| 7 | Colloidal Platinum | Koloidal Platinum, 100 ppm platinum. | | - | 0.1~2% |
| 8 | Preserve-HHM | A combination preservative that provides full protection in one ingredient. Suggested dose: 0.3% or less. | | O | 0.5~1% |
| 9 | Defoamer SF-300N | Silicon-free defoamer, comfort enhancer, and usability. | | O | 1~10% |
| 10 | Triple Bead Capsule-WHITE, RED, Gold (Three kinds) | Triple capsule formulation: Visible Gold, Red, White, 3 colors, 2mm particle beads that dissolve and absorb when rubbed. | Registered Patent | - | 3~10% |
| 11 | Oil Capsule-MCT | Visible oil capsule material (MCT or Tocopherol). | | - | 1~5% |
| 12 | Oil Capsule-Squalane | Visible oil capsule material (Squalane). | | - | 1~5% |
| 13 | Methyl Gluceth-20 | Moisturizers, sheet masks, skin toners, etc. that provide a rich texture with a small amount of product. | | - | 1~5% |
| 14 | DET-PHS550 | Silicone-free hair conditioners and moisturizers. | | - | 0.1~3% |
| 15 | Cerawax-Brill | Ceramide Dissolved and dispersed in waxes and oils with natural radiance tone-up effect. | | O | 3~5% |
| 16 | Instant Lift PS-300 | Suitable for instant botox effect, instant astringent effect, spray formulations, etc. | | O | 1~10% |
| 17 | Thixo Gel-SP | Sprayable gelling agent. | | - | 0.1~2% |
| 18 | Sensory Film-50 | Emollients, suspending agents. | | O | 0.1~2% |
| 19 | Defoamer SF-200 | Silicone-free defoamer, emollient, usability. | | - | 1~10% |
| 20 | Argan Oil Organic | Organic Argan oil from Morocco, non-thermal extraction process. | | O | 0.1~5% |
| 21 | Golden Huile | Hair shine effect. Contains a large amount of unsaturated fatty acids that protect and coat the hair, improving hair shine and protecting hair. | | - | 1~5% |
| 22 | KOMMEX - 10 | Moisturizes the scalp. The combination of herbal ingredients and ectoine strengthens the immunity of the scalp, prevents hair loss and moisturizes the scalp. | | - | 1~5% |
| 23 | Modemaquillant | Scalp cleansing effect. Contains natural saponins to remove scalp waste without irritation. | | - | 1~5% |
| 24 | Moselect | Hair elasticity effect. Effective ingredients for hair growth, elasticity, and nutrition. | | - | 1~5% |
| 25 | Momoeasy | Hair loss improvement: composed of macinamide, caffeine, emmentol, salicylic acid, and deapantener, effective in reducing and preventing hair loss. | | - | 1~5% |
| 26 | Cica-W Soft Double Oil Capsule | Regenerative effect. Regenerates and firms skin, prevents acne and dermatitis, and prevents aging. | | - | 1~30% |
| 27 | Asta-P Soft Double Oil Capsule | Antioxidant effect. Reduces skin inflammation, hydrates and protects against UV damage. | | - | 1~30% |
| 28 | Coq-Y Soft Double Oil Capsule | Mitochondrial activity. Improves skin repair and elasticity, powerful antioxidant effect. | | - | 1~30% |
| 29 | Guai-B Soft Double Oil Capsule | Anti-inflammatory effect. Reduces skin inflammation and moisturizes, retains moisture and relieves itching and redness. | | - | 1~30% |

➤ Finished products and devices

| No. | Raw material name | Effectiveness and efficacy | Patent | NMPA | Dosage |
|---|---|---|-------------------|------------------------|----------------------|
| 1 | Liquid crystal glow serum | Liquid crystal radiance serum bulk, unique formulation with visibly visible results. | | - | Bulk sales |
| 2 | Powder to Cream Emulsion 3 Types (Red, Yellow, White) | Powder to cream formulation: 3 powders: white (whitening), red (wrinkle), and yellow (firming). | Registered Patent | - | Bulk sales |
| 3 | Hydrogel Modelling Masks | Gold modeling mask that hardens in 7 minutes by mixing 1 and 2: 4 types: white, red, black, and gold. | Registered Patent | - | Bulk sales |
| 4 | Sunblock Cream SPF85/PA27+++ & BB Cream | SPF85/ PA++++ Sunscreen Bulk & BB, CC creams. | | KCI paper presentation | Bulk sales |
| 5 | AHC Gold Manicure | Highly resistant oil-containing D-phase gel cream with gold, cream bulk that turns milky white when applied to the skin and washed off. | | - | Bulk sales |
| 6 | Idevenon Brightening Ampoule | Idebenone niosome stabilized formulation ampoule bulk. | Registered Patent | - | Bulk sales |
| 7 | A high-frequency tube-cutting sealing machine | High frequency tube sealing machine, for low volume production. | | - | Equipment Sales |
| 8 | Pouch sealing machine | Small batch sealing machine, available for research and experimental production. | | - | Equipment Sales |
| If your looking for raw materials(Extract or something) , Please contact the BIOBEAUTECH Corporate Research Institute at any time. *Contact information : +82-31-776-0875 / *email: belife0809@naver.com | | | | | BIOBEAUTECH CO., LTD |

MIZOAN® Solubil ORG-1300

What is MIZOAN® Solubil ORG-1300?

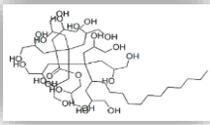


It is an **organic solubilizer that can be applied to organic cosmetics, and is a solubilizer with excellent solubilizing power made by synthesizing high-purity polyglyceryl-10 oleate and polyglyceryl-10 stearate.**
Solubil ORG-1300 can be applied to a variety of solubilized products as it exhibits stabilized usable power even in the pH acidic, pH neutral, and pH alkaline areas.

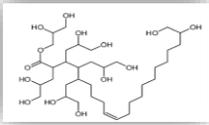
Appearance : Viscous Paste
Color : Pale Yellow
Odor : Odorless or faint characteristic odor
Acid value : < 5%
HLB : Approximately 12.8 to 14.8
EWG : Green grade

| | INCI(ENG.) | INCI(KOR.) | CAS NO. | content (wt%) | Packing unit |
|--------------------------|--------------------------|-----------------|-------------------------|---------------|--------------|
| MIZOAN® solubil ORG-1300 | Polyglyceryl-10 stearate | 폴리글리세린-10스테아레이트 | 9009-32-9 79777-30-3 | 56wt% | 18kg |
| | Polyglyceryl-10 Oleate | 폴리글리세린-10올리레이트 | 9007-48-1 79665-93-3 | 44wt% | |

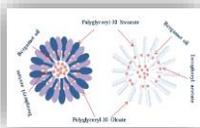
Polyglyceryl-10 stearate



Polyglyceryl-10 oleate



MIZOAN® Solubil ORG-1300 Solubilization Mechanism



When Solubil ORG-1300 is dissolved in water, micelle is produced as shown in the figure above.

The target component of the Monarda Didyma Oil or tocopheryl acetate is contained in the micelle, and hydrogen bonding is formed and sealed.

excellent solubilizing power

The surfactant is divided into a hydrophilic group and a lipophilic group to form a magnetic tissue with a micelle at a critical micelle concentration (cmc) or higher, and at this time, the soluble oil and tocopheryl acetate of the target ingredient are combined and packed to form a stable micelle.

Guide Formulation

| Phase | INCI name | (%) | Remark |
|-----------|--------------------------|------|-------------|
| A | Water | 81.3 | |
| | Panthenol | 0.1 | |
| | Disodium EDTA | 0.02 | |
| | Xanthan Gum(2% solution) | 2 | |
| | Bio-Hyaluronate-090A | 3 | BIOBEAUTECH |
| | Bio-Hyaluronate-001A | 1 | BIOBEAUTECH |
| B | Butylene Glycol | 5 | |
| | Glycerin | 2 | |
| | 1,2-Hexanediol | 2 | |
| | Ethylhexylglycerin | 0.05 | |
| | Solubil-ORG-1300 | 0.5 | BIOBEAUTECH |
| C | Dipropylene Glycol | 3 | |
| | fragrance | 0.03 | |
| Total Sum | | 100 | |

Hyaluronic Acid Toner

<Process>

1. Dissolve A (Main) phase
2. Heat the B phase at 50~60°C, mix and stir to dissolve sufficiently, and put it into A (Main)
3. 40°C cooling
4. After dissolving the C phase, add it to the main and stir

MIZOAN® Solubil EWG-1100

What is MIZOAN® Solubil EWG-1100?

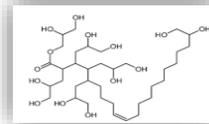


It is a **plant surfactant with excellent solubilizing power and emulsifying power** by mixing high-purity polyglyceryl-10 isostearate and polyglyceryl-10 oleate.
Non-ionic surfactants form **Microemulsion micelle**, which is effective in moisturizing the skin, removing useful contaminants deposited on the skin, and makeup residues.
It can be applied to various soluble products as it shows stabilized usable power in the pH acidic, pH neutral and pH alkaline areas.

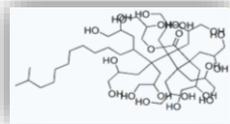
Appearance : Viscous Paste
Color : Light yellow
Odor : Odorless or faint characteristic odor
Acid value : < 5%
HLB : Approximately 13.5 to 14.8
EWG : Green grade

| | INCI(ENG.) | INCI(KOR.) | CAS NO. | content (wt%) | Packing unit |
|--------------------------|-----------------------------|--------------------|-------------------------|---------------|--------------|
| MIZOAN® solubil EWG-1100 | Polyglyceryl-10 isostearate | 폴리글리세린-10아이소스테아레이트 | 133738-23-5 | 60wt% | 18kg |
| | Polyglyceryl-10 Oleate | 폴리글리세린-10올리레이트 | 9007-48-1 79665-93-3 | 40wt% | |

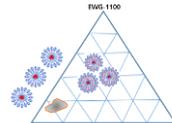
Polyglyceryl-10 oleate



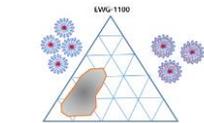
Polyglyceryl-10 isostearate



MIZOAN® Solubil EWG-1100 Microemulsion



Transparent microemulsion



Oil-containing transparent microemulsion

MIZOAN® Solubil EWG-1100 solubilization principle



Hydrophobic groups are captured into the micelle for solubilization.



Solubilization of hydrophobic groups across the hydrophilic groups of surfactants.



Solubilization of hydrophobic groups across the hydrophobic groups of surfactants.

Guide Formulation

| Phase | INCI name | (%) | Remark |
|-----------|------------------------|------|-------------|
| A | Water | 86.2 | |
| | Panthenol | 0.1 | |
| | Disodium EDTA | 0.02 | |
| | Pore Clearing Liposome | 1 | BIOBEAUTECH |
| | Niacinamide | 0.1 | |
| | Butylene Glycol | 5 | |
| B | Glycerin | 2 | |
| | 1,2-Hexanediol | 2 | |
| | Ethylhexylglycerin | 0.05 | |
| | Solubil-EWG-1100 | 0.5 | BIOBEAUTECH |
| C | Dipropylene Glycol | 3 | |
| | fragrance | 0.03 | |
| Total Sum | | 100 | |

Pore Fresh Toner

<Process>

1. Dissolve A (Main) phase
2. Heat the B phase at 50~60°C, mix and stir to dissolve sufficiently, and put it into A (Main)
3. 40°C cooling
4. After dissolving the C phase, add it to the main and stir

MIZOAN® CleanEmul-7300

Definition

MIZOAN® Clean Emul-7300 is a high-purity polyglyceryl surfactant and a complex natural surfactant derived from plants. The EWG grade is grade 1 and is a special surfactant that can form Bi-continuous microemulsions. This raw material can be used to form a transparent W/O Emulsion, and when a phase is applied to the water, a fine emulsion of 200 to 500 nm is formed. It is a hydrophilic surfactant consisting of 2 to 12 moles of polyglyceryl-10 oleate, fatty acid ester, and sucrose ester, forming fine emulsions optimized in various formulations.

Specification

Development of a dual sheet mask with transparent bi-continuous micro-emulsion; EWG-1 grade formula

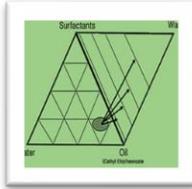


| Appearance | Paste |
|-------------------|---|
| Color | Slightly Yellowish color |
| Odor | Odorless or a faint characteristic odor |
| Specific Gravity | 0.900~1.300 |
| Acid Value | Max. 5 |
| Storage Condition | Below 30°C |
| Packing unit | 19kg |

MIZOAN® Microemulsion-Clear

Definition

MIZOAN® Microemulsion-Clear is a transparent microemulsion formed in a specific region of a special surfactant, oil, and purified water three-phase system, and is a Bi-continuous Microemulsion. It is a raw material that is transferred to a fine emulsion of 200 to 500 nm when dispersed in the water. In this process, energy used in cosmetics manufacturing such as Gaon can be reduced, which is also applicable to ESG, which is of global interest. In particular, since it is a microemulsion based on a three-phase system, it does not require an external energy source and is thermodynamically stable.



Specification



| Appearance | Transparent Liquid |
|----------------------------------|---|
| Color | Light Yellowish |
| Odor | Odorless or a faint characteristic odor |
| pH Value (20% Solution in water) | 4.5~7.5 |
| Specific Gravity | 0.880~1.100 |
| Acid Value | Max. 5 |
| Storage Condition | Below 30°C |
| Packing unit | 19kg |

| Trade name | INCI Name | 标准中文名称 | CAS No. | Con.(%) |
|----------------|------------------------|------------|-----------------------|---------|
| MIZOAN® | Polyglyceryl-10 Oleate | 聚甘油-10 油酸酯 | 9007-48-1, 79665-93-3 | 70 |
| CleanEmul-7300 | Sucrose Distearate | 蔗糖二硬脂酸酯 | 27195-16-0 | 30 |

| Trade name | INCI Name | 标准中文名称 | CAS No. | Con.(%) |
|---------------|---|-----------------------------------|-------------|---------|
| | Cethyl Ethylhexanoate | 鲸蜡醇乙基己酸酯 | 59130-69-7 | 35 |
| | Brassica Campestris (Rapeseed) Seed Oil | 油菜(BRASSICA CAMPESTRIS)籽油 | 8002-13-9 | 20 |
| | Polyglyceryl-10 Oleate | 聚甘油-10 油酸酯 | 9007-48-1 | 9 |
| MIZOAN® | Vitis Vinifera (Grape) Seed Oil | 葡萄(VITIS VINIFERA)籽油 | 8024-22-4 | 8 |
| Microemulsion | Prunus Armeniaca (Apricot) Kernel Oil | 杏(PRUNUS ARMENIACA)仁油 | 72869-69-3 | 7 |
| -Clear | Polyglyceryl-2 Dioleate | 聚甘油-2 二油酸酯 | 60219-68-3 | 6 |
| | Macadamia Integrifolia Seed Oil | 全缘叶澳洲坚果(MACADAMIA INTEGRIFOLIA)籽油 | 438545-25-6 | 7 |
| | Argania Spinosa Kernel Oil | 刺阿干树(ARGANIA SPINOSA)仁油 | 299184-75-1 | 3 |
| | Water | 水 | 7732-18-5 | 5 |

- ◆ EWG 1 Grade Surfactant
- ◆ Natural surfactant derived from plants
- ◆ Surfactants that form bi-continuous microemulsions.
- ◆ O/W Hydrophilic Natural Surfactant

Benefits

- Using CleanEmul-7300, a high-purity vegetable emulsifier capable of forming a double-continuous microemulsion could be developed.
- Using CleanEmul-7300 at 12 to 25%, the most stable transparent emulsion was obtained at 20: 75: 5 in the region where the transparent microemulsion was formed.
- The particle size distribution of the Bi-Continuous microemulsion was 200 to 500 nm.
- Depending on the concentration of CleanEmul-7300, various emulsions could be made.
- We were able to develop EWG-1 grade Dual Sheet Mask prescriptions.



Guide Formula

FORMULATION OF NANO-EMULSION TECHNOLOGY

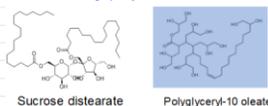
PRODUCT NAME : Bi-Continuous Fine Nano-Emulsion

| Phase | Trade Name | INCI NAME | Formula (wt%) |
|-------|---|------------------------------------|---------------|
| A | MIZOAN CleanEmul-7300 | Reference see MSDS composition | 6.00 |
| | Glycerin | Glycerin | 7.00 |
| B | EHP | Ethylhexylpalmitate | 10.00 |
| C | Water | Water | 1.00 |
| D | MIZOAN Houttuymia Cordata Extract Water | Reference see MSDS composition | 75.70 |
| | MIZOAN Biocomplex-10 | Morus Alba root extract, BG, Water | 0.30 |
| | Total | | 100.00 |

Manufacturing Method

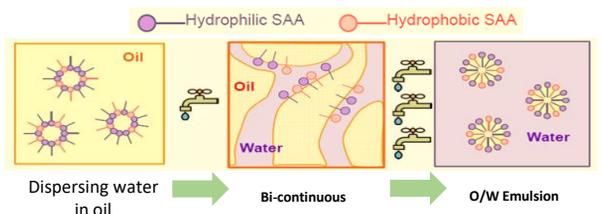
- Heat phase A to 70-80°C
- Put phase B in Main at 50-70°C (Check it transparent)
- Put phase C mixing slowly by hand mixing for 1 min (Check it transparent)
- Add phase D (at 40-60°C) during disper mixing to make fine nano-emulsion.
- additional mixing for 5 min.
- Cool to 30°C
- Check it appearance.

High purity surfactant



Effectiveness

Bi-continuous Microemulsion Technology



The dual continuous formulation has amphiphilic interfacial active ingredients that balance the same volume of oil and water and is freely present in the continuous phase.

Benefits

- ◆ Thermodynamically stable emulsion generation using a three-phase system.
- ◆ Energy saving suspension without heating process.
- ◆ A raw material that exhibits a milky and silky texture even in a small amount.



MIZOAN® NatuPIT-Emul-8500

Definition

MIZOAN® NatuPIT-Emul-8500 forms a PIT zone even at low temperatures (around 60°C). Therefore, it is possible to manufacture nano emulsion easily.



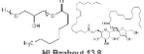
Appearance : White flake
Odor : Odorless
All cosmetic fields
Storage : Room temperature

Unique Fine Nano Emulsion & O/W Natural Emulsifier



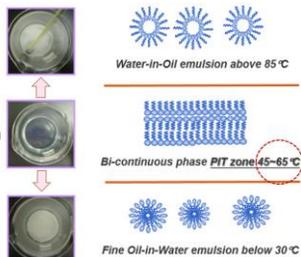
INCI Name: Polyglyceryl-10 Caprylate (CAS 51033-41-1), Sucrose Distearate (CAS 27195-16-0)

- High Purity Plant Emulsifier
- Formation of Bi-continuous Microemulsion at PIT Zone
- O/W Emulsifier
- Low Temperature PIT Zone



Only One Plant Emulsifier,
New Mechanism and New PIT

Features



Unique texture



- * Nano-emulsion with phase inversion temperature (PIT)
- * Effectively care for large surface area and flexion of skin
- * Unique visual of nano-emulsion
- * Unique sensory of fresh toner and moist lotion

3 Good benefits



Benefits

1. We developed NatuPIT Emul-8500 as Plant sources
2. HLB = about 3.8
3. Low energy & low cost : Nano-emulsion
4. Dramatic skin affinity
5. Formation of PIT zone at low temperature
6. Easy to make a fine nano-emulsion
7. Easy to optimize design to be changed phase inversion
8. Only one emulsifiers
9. Used various oils : High concentration nano-emulsion
10. Cream to skin texture

Guide Formulation

New PIT Toner Lotion

| Phase | Ingredients | (%) | Remark |
|-----------|----------------------|--------|-------------|
| A | Water | 6.50 | |
| | NatuPIT Emul-8500 | 5.00 | Biobeautech |
| | Cetyl Ethylhexanoate | 6.50 | |
| | Glycerin | 5.00 | |
| | Natural Oil Mixture | 0.10 | Biobeautech |
| | Water | to 100 | |
| B | Disodium EDTA | 0.02 | |
| | 1,2-Hexandiol | 2.00 | |
| | Ethylhexylglycerin | 0.05 | |
| | Sodium Citrate | 0.10 | |
| | Butylene Glycol | 3.00 | |
| | Condi-Argan-300 | 5.00 | Biobeautech |
| Total Sum | | 100.00 | |

Manufacturing Method

- (1) Mix and stir phase A while heating to 80 to 85°C
- (2) Cooling down until clear PIT zone (approximately 65°C) appears
- (3) Quickly insert phase B in the PIT zone
- (4) Mix and stir evenly for 10 minutes
- (5) Cooling (30°C)
- (6) Checking Semi-transparent (Bluish)

(pH 5.00 ± 1.00)

New PIT Ampoule Cream

| Phase | Ingredients | (%) | Remark |
|-----------|----------------------------------|--------|-------------|
| A | Water | 6.50 | |
| | NatuPIT Emul-8500 | 5.00 | Biobeautech |
| | Cetyl Ethylhexanoate | 6.50 | |
| | Glycerin | 5.00 | |
| | Natural Oil Mixture | 0.10 | Biobeautech |
| | Water | to 100 | |
| B | Disodium EDTA | 0.02 | |
| | 1,2-Hexandiol | 2.00 | |
| | Ethylhexylglycerin | 0.05 | |
| | Sodium Citrate | 0.10 | |
| | Butylene Glycol | 3.00 | |
| | Dipropylene Glycol | 5.00 | |
| C | Bio-Sodium Hyaluronate-001(AH/D) | 2 | Biobeautech |
| | Cabomer(2% sol.) | 15 | |
| | Water | 2 | |
| | Tromethamine | 0.24 | |
| Total Sum | | 100.00 | |

Manufacturing Method

- (1) Mix and stir phase A while heating to 80 to 85°C
- (2) Cooling down until clear PIT zone (approximately 65°C) appears
- (3) Quickly insert phase B in the PIT zone
- (4) Mix and stir evenly for 10 minutes
- (5) Add phase C and stir for 10 minutes
- (6) Cooling (30°C)
- (7) Checking Semi-transparent (Bluish)

(pH 5.80 ± 1.00)

MIZOAN® CEO-830SF

Definition

MIZOAN® CEO-830SF is a cleansing oil emulsifier of Grade-1 EWG. It is a polyethylene glycol ether of sorbitol with an average of 30 moles of ethylene oxide and tetraester of oleic acid. It is characterized in that when an oil and a surfactant are mixed and water is added, a bi-continuous phase is formed and a transparent liquid phase is formed. It is formed a 500 nm fine emulsion by inversion when mixed with water. This is an emulsifier exclusively for cleansing oil comparable to Shuueimura, Lancome, and Shiseido products.

Features

- O/W type solubilizer : Trans inversion phase in water
- 12-15% of CEO-830SF : Good low viscous gel
- High purity & low smell

Composition

| INCI NAME | KOREAN Name | CAS No. | Content (%) |
|------------------------|----------------|------------|-------------|
| Sorbeth-30 Tetraoleate | 솔베스-30테트라올리에이트 | 63089-86-1 | 100.00 |



- Emulsifier exclusively for cleansing oil
- One-step cleansing system products
- Strong emulsifier in oil phase and water phase
- Simple make a formulation
- Deep strong make-up cleansing power
- Watery Texture

SPECIFICATION

| | |
|-------------------|--|
| Appearance (25°C) | : Yellow liquid (Standard) |
| Odor | : Odorless or a faint characteristic odor (Standard) |
| Specific gravity | : 0.950 - 1.100 (20°C, Method 1) |
| Acid Value | : Max. 8 (Method 1, 5g) |
| Purity | : Max. 8 (Method 1, 5g) |
| HeavyMetal (Pb) | : ≤10ppm (Method 2, 2g) |
| HeavyMetal (AS) | : ≤2ppm (Method 2, 2g) |
| Color | : Max. 6 (Gardner) |



Effectiveness



Cleansing Activity Test



Guide Formulation

Miscella Cleansing Oil

| Phase | Ingredients | (%) | Remark |
|-----------|-------------------------|--------|-------------|
| A | Cetyl Ethylhexanoate | to 100 | |
| | Ethylhexyl Palmitate | 30.00 | |
| | Hydrogenated Polydecene | 10.00 | |
| B | CEO-830SF | 15.00 | Biobeautech |
| C | Disodium EDTA | 1.70 | |
| D | 1,2-Hexandiol | 0.10 | |
| Total Sum | | 100.00 | |

Manufacturing Method

- (1) Stir phase A by heating it to 70-80°C.
- (2) Add phase B to phase A and mix & stir
- (3) Add phase C slowly at 50 to 60°C and stir until it becomes completely transparent
- (4) Add phase D below 40°C



BIZOGAN PODUK SHU CLEANSING OIL



Eco-friendly, Safety, Numerous Sources, Natural Color

MIZOAN® Natural Pigment Series

Background of development

Natural Pigment

- ✓ Any pigment obtained from natural animals and plants
- ✓ Extraction and purification from natural substances
- ✓ The color tone is natural and beautiful, so you can use it easily and there is no limit to the amount of use
- ✓ Safety, pharmacological, and natural colors for the human body



- Flavonoids (grapes, purple sweet potatoes, red cabbage, etc.)
- Anthocyanins (blueberry, cranberry, eggplant, black bean, etc.)
- Carotenoids (carrots, pumpkins, paprika, chija, etc.)

Introduction

Natural Pigments with BIOBEAUTECH

Natural and beautiful color expression obtained from nature



MIZOAN Natural Blue-4510EX

MIZOAN Natural Green-1808EX

MIZOAN Natural Red-2500EX

MIZOAN Natural Yellow-2505EX



- MIZOAN Natural Blue-4510EX → **Blue** : Gardenia Florida Fruit & Blueberry
- MIZOAN Natural Red-2500EX → **Red** : Gardenia Florida Fruit & Red Cabbage
- MIZOAN Natural Yellow-2505EX → **Yellow** : Gardenia Florida Fruit & Scutellaria Baicalensis Root
- MIZOAN Natural Green-1808EX → **Green** : Gardenia Florida Fruit & Blueberry & Scutellaria Baicalensis Root

These are obtained from NATURE ~



Similar to the color of Korea's unique traditional hanbok
It's Korea's! Biobeatech's!

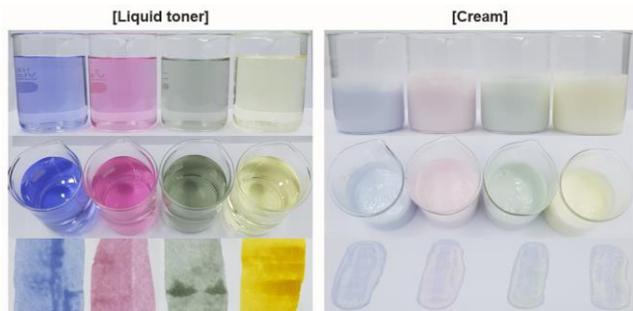
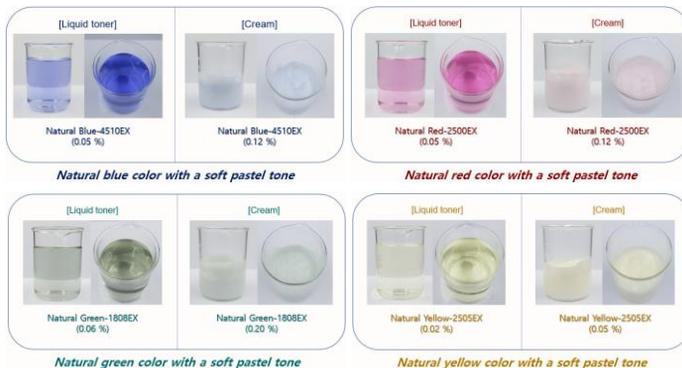
✓ A natural color that is gentle and natural without eye fatigue



Natural pastel tone & Traditional Korean image
Natural blue color
Natural red color
Natural green color
Natural yellow color

✓ Biobeatech's unique natural color combination technology

Features



Apply to Toner and Cream
(Natural Blue-4510EX, Red-2500EX, Green-1808EX, Yellow-2505EX)

- ✓ 4 Type of biobeatech natural pigments (blue, red, green, yellow) with Gardenia Florida Fruit Extract, Vaccinium Angustifolium (Blueberry) Fruit Extract, Brassica Oleracea Capitata (Cabbage) Leaf Extract, Scutellaria Baicalensis Root Extract
- ✓ Biobeatech's unique natural color combination technology
- ✓ Application of eco-friendly and biodegradable natural materials that are safe for sensitive skin
- ✓ Similar to the color of Korea's unique traditional hanbok
- ✓ A natural color that is gentle and natural without eye fatigue
- ✓ Biobeatech's unique pigment material with korean traditional image and natural pastel tone

MIZOAN® Oil-Sol-Blue-5610EX

Natural blue pigment that dissolves in oil !

Stabilized natural blue pigment !

INCI : CAPRYLIC/CAPRIC TRIGLYCERIDE, GARDENIA FLORIDA FRUIT EXTRACT, VACCINIUM ANGUSTIFOLIUM (BLUEBERRY) FRUIT EXTRACT, MORUS ALBA FRUIT EXTRACT

- ✓ Appearance: Liquid
- ✓ Color: Dark Blue
- ✓ Odor: A faint characteristic odor
- ✓ Specific gravity : 0.920~0.972

MIZOAN® Oil-Sol-Blue-5610EX

is a natural blue pigment developed to be soluble in oil

- GARDENIA FLORIDA FRUIT EXTRACT
- VACCINIUM ANGUSTIFOLIUM (BLUEBERRY) FRUIT EXTRACT
- MORUS ALBA FRUIT EXTRACT



From left to right: 0.01%, 0.03%, 0.05%, 0.10% oil solution

SPECIFICATION

| MIZOAN® Oil-Sol-Blue-5610EX | |
|--|--|
| High Concentrated Oil Soluble Plant Mixtures with Blue Color | |
| Appearance (20°C) | : Liquid (Standard) |
| Color | : Dark Blue (Standard) |
| Odor | : A faint characteristic odor (Standard) |
| Specific gravity | : 0.920~0.972 (20°C, Method. 1) |
| pH | : None |
| Putty Test | |
| Heavy metal (Pb) | : ≤10ppm (Method 2, 1g) |
| Arsenic (As) | : ≤2ppm (Method 3, 1g) |
| Microbial Test | : ≤ 100 cfu/mL |
| ISSUE DATE: MAR. 8, 2023 | |

It's an Oil Soluble !



Based on Caprylic/Capric Triglyceride

cf) China NMPA registration completed →

化妆品原料安全信息
原料版返号: 169065-01677-5613

MIZOAN® Condi-Oil-300 Series

Argania Spinosa Kernel Oil, Simmondsia Chinensis (Jojoba) Seed Oil and Camellia Japonica Seed Oil series that dissolve in water

- MIZOAN® Condi-Argan-300
- MIZOAN® Condi-Jojoba-300
- MIZOAN® Condi-Dongbaek-300



Background 1

- Development of Localized Materials
- 1) Argan, jojoba, and camellia oils are water soluble and widely used in basic cosmetics
 - 2) Convenient application to transparent skin toner
 - 3) A water-soluble oil that gently forms an oil film and maintains moisture



Condi Argan - 300 을 물에 20%용해

Background 2

Use water-soluble oil to apply to hair tonics, shampoo and conditioners that feel nutritious and moist

Composition

| Material Name | INCI NAME | KOREAN Name | CAS No. | Content (%) |
|-----------------|----------------------------|-------------|-------------|-------------|
| MIZOAN | Water | 정제수 | 7732-18-5 | 68.000 |
| CONDI-Argan-300 | Argania Spinosa Kernel Oil | 아로간카넬오일 | 299184-75-1 | 30.000 |
| | 1,2-Hexanediol | 1,2-헥산다이올 | 6920-22-5 | 2.000 |

Composition

| Material Name | INCI NAME | KOREAN Name | CAS No. | Content (%) |
|------------------|--|-------------|------------|-------------|
| MIZOAN | Water | 정제수 | 7732-18-5 | 68.000 |
| CONDI-Jojoba-300 | Simmondsia Chinensis (jojoba) Seed Oil | 호호바씨오일 | 61789-91-1 | 30.000 |
| | 1,2-Hexanediol | 1,2-헥산다이올 | 6920-22-5 | 2.000 |

Composition

| Material Name | INCI NAME | KOREAN Name | CAS No. | Content (%) |
|--------------------|----------------------------|-------------|-------------|-------------|
| MIZOAN | Water | 정제수 | 7732-18-5 | 68.000 |
| CONDI-DONGBAEK-300 | Camellia Japonica Seed Oil | 동백나무씨오일 | 223748-13-8 | 30.000 |
| | 1,2-Hexanediol | 1,2-헥산다이올 | 6920-22-5 | 2.000 |

SPECIFICATION MIZOAN® Condi-Argan-300

| | |
|---------------------|---|
| Appearance (25°C) | : Light Yellow Clear Liquid(Standard) |
| Odor | : Odorless or a faint characteristic odor(Standard) |
| Specific gravity | : 0.990 ~ 1.200 (20°C, Method, 1) |
| pH | : 5.00 ~ 8.00 (Directly, pH meter) |
| Purity | |
| 1) Heavy metal (Pb) | : ≤ 10ppm (2g, Method 2) |
| 2) Heavy metal (As) | : ≤ 2ppm (1g, Method 3) |
| Microbial Test | : ≤ 100cfu/mL |

Application

Oil to Foam
(Suitable for sensitive, dry skin)



(C) Bubble Foam

Camellia oil 5% oil to foam formulation
Soft bubbles
Balance oil and moisture remaining moist after washing
Increase the persistence of moisturizing

Shampoo & Rinse
(Silicon-Free Hair Conditioner)



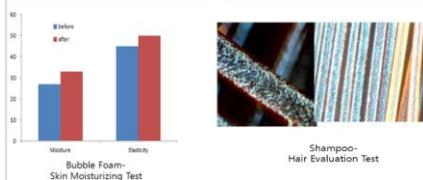
(D) Shampoo

- Shampoo formulation with 5% camellia oil
- Argan oil is coated in the hair to make it feel moist.
- Argan shampoo, suitable for conditioner

Skin Moisturizing Test or Hair Evaluation Test

Moisturizing Effect
(Oil to Foam Bubble)

Moisturizing Effect
(Hair Shampoo)



Guide Formulation

Aqua Facial Camellia Oil(Argan Oil, Jojoba Oil)

| Phase | Ingredients | (%) | Remark |
|-----------|--|--------|------------|
| A | Water | to 100 | |
| | Butylene Glycol | 5.00 | |
| | Glycerin | 5.00 | |
| | Dipropylene Glycol | 5.00 | |
| | Bio-Sodium Hyaluronate-001A(HD) | 5.00 | Biobeatech |
| | 1,2-Hexanediol | 2.00 | |
| | Ethylhexylglycerin | 0.05 | |
| B | Condi-Dongbaek-300 (Argan-300, Jojoba-300) | 30.00 | Biobeatech |
| | Fragrance | 0.10 | |
| Total Sum | | 100.00 | |

Manufacturing Method

- (1) Mix and stir phase A (room temperature)
- (2) Add phase B to phase A and mix and stir (room temperature)

MIZOAN® BioPyro-PGI-250

What is MIZOAN® BioPyro-PGI-250?



- Appearance:** Liquid
Color: Pale yellow color
Odor: A faint characteristic odor
Acid value: Max 12.0%
HLB : Approximately 14.2 to 14.6
EWG: Green grade
Function: Applicable as liquid lotion, essence, and eye cream in the form of a mask sheet



It is a Non-ionic surfactant in which polyoxyethylene-25 glycerin is used as a hydrophilic group and isostearic acid with 18 carbon atoms is ester-bonded. Ethylene oxide is bonded to the glyceryl group by 25 mol, and Glutamic Acid and isostearic Acid are esterified to have high purity hydrophilic usable power, and excellent solubilizing power and surfactant activity.

For soluble products, 0.1~1% of the MIZOAN® BioPyro-PGI-250 surfactant is optimal, and when applied to hydrophilic cream oils, 1~3% can be used to develop the best formulation.

In particular, it is characterized by maintaining a stable lamellar structure even at low viscosity.

| | INCI(ENG.) | INCI(KOR.) | CAS NO. | content (wt%) | Packing unit |
|-------------------------|------------------------------|-----------------------|--------------|---------------|--------------|
| MIZOAN® BioPyro-PGI-250 | Glycereth-25 PCA Isostearate | 글리세레스-25피피에이아이소스테아레이트 | 1007304-55-3 | 100% | 20kg |



Cleansing the color makeup with cotton pad until the 3rd time!

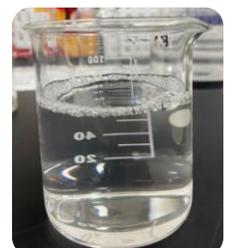
Guide Formulation

Biopyro Cleansing Water

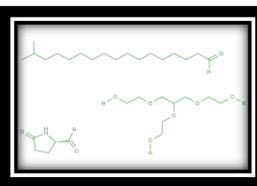
| PHASE | INCI name | (%) | Remark |
|-------|--------------------|------|-------------|
| A | WATER | 76.9 | |
| | Glycerin | 10 | |
| B | Biopyro-PGI-250 | 5 | BIOBEAUTECH |
| | Butylene Glycol | 3 | |
| C | Dipropylene Glycol | 3 | |
| | 1,2-Hexanediol | 2 | |
| | Ethylhexylglycerin | 0.05 | |
| | fragrance | 0.05 | |

<Process>

1. A phase 40 to 60°C heating
2. Dissolve B phase at 50-60°C and mix and stir with A phase (Main)
3. Heat the C phase at 40°C and stir it into the main



Glycereth-25 PCA Isostearate



Glossy hair, Moisture the scalp, Scalp wash, Hair elasticity, Hair loss improvement

MIZOAN® Hair Care Series 5 Products

1 MIZOAN® Golden Huile

• Definition

MIZOAN® Golden Huile contains large amounts of unsaturated fatty acids, which protect and soften hair, and is an effective ingredient for improving hair gloss and protecting hair by coating hair fibers and scales.

• Effectiveness and efficacy

Improving your hair shine and protecting your hair

• Key ingredients

Ricinus Communis (Castor) Seed Oil, Camellia Japonica Seed Oil, Argania Spinosa Kernel Oil, Cocos Nucifera (Coconut) Oil, Olea Europaea (Olive) Fruit Oil, Retinyl Palmitate, Tocopherol, Tocopheryl Acetate

• Specification



| | |
|------------------|--|
| Appearance(25°C) | : Transparent Liquid (Standard) |
| Color | : Light Yellow ~ Brown (Standard) |
| Odor | : Odorless or a faint characteristic odor (Standard) |
| pH | : N/A |
| Specific gravity | : 0.850 ~ 0.950 (20°C, Method, 1) |
| Microbial Test | : ≤ 100 cfu/mL |

• Improvement of hair gloss (Angeling effect)



3 MIZOAN® Modemaquilant

• Definition

MIZOAN® Modemaquilant contains saponin, a natural ingredient extracted from plants, to help remove waste from the scalp without irritation.

• Effectiveness and efficacy

Prevention of hair loss and scalp moisturization of oriental medicine materials

• Key ingredients

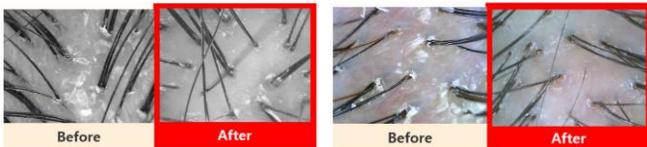
Saponaria Officinalis Leaf Extract, Sapindus Mukorossi Peel Extract, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Avena Sativa (Oat) Extract, Saponin

• Specification



| | |
|------------------|--|
| Appearance(25°C) | : Transparent Liquid (Standard) |
| Color | : White ~ Light Yellow (Standard) |
| Odor | : Odorless or a faint characteristic odor (Standard) |
| pH | : N/A |
| Specific gravity | : 0.950 ~ 1.050 (20°C, Method, 1) |
| Microbial Test | : ≤ 100 cfu/mL |

• Exfoliation improvement



5 MIZOAN® Momoeasy

• Definition

MIZOAN® Momoeasy is a composite raw material composed of niacinamide, caffeine, el-mentol, salicylic acid, and dexpanthenol, which are effective in alleviating and preventing hair loss symptoms.

• Effectiveness and efficacy

Relief and Prevention of Hair Loss Symptoms

2 MIZOAN® KOMMEX-10

• Definition

MIZOAN® KOMMEX-10 is a combination of herbal ingredients and ectoin, which strengthens the scalp's immunity and is effective in preventing hair loss and moisturizing the scalp.

• Effectiveness and efficacy

Prevention of hair loss and scalp moisturization of oriental medicine materials

• Key ingredients

Sophora Angustifolia Root Extract, Glycyrrhiza Uralensis (Licorice) Extract, Camellia Sinensis Leaf Extract, Angelica Gigas Extract, Coptis Japonica Extract, Polygonum Multiflorum Root Extract, Panax Ginseng Root Extract, Urtica Dioica (Nettle) Extract, Scutellaria Baicalensis Root Extract, Paeonia Lactiflora Extract, Ectoin

• Specification



| | |
|------------------|--|
| Appearance(25°C) | : Transparent Liquid (Standard) |
| Color | : White ~ Light Yellow (Standard) |
| Odor | : Odorless or a faint characteristic odor (Standard) |
| pH | : N/A |
| Specific gravity | : 0.950 ~ 1.050 (20°C, Method, 1) |
| Microbial Test | : ≤ 100 cfu/mL |

• Helps improve scalp moisture content



4 MIZOAN® Moselect

• Definition

MIZOAN® Moselect is an effective ingredient for hair growth, elasticity and nutrition.

• Effectiveness and efficacy

Prevention of hair loss and scalp moisturization of oriental medicine materials

• Key ingredients

Hydrolyzed Collagen, Hydrolyzed Keratin, Hydrolyzed Elastin, Polyglutamic Acid

• Specification



| | |
|------------------|--|
| Appearance(25°C) | : Transparent Liquid (Standard) |
| Color | : White ~ Light Yellow (Standard) |
| Odor | : Odorless or a faint characteristic odor (Standard) |
| pH | : N/A |
| Specific gravity | : 0.950 ~ 1.050 (20°C, Method, 1) |
| Microbial Test | : ≤ 100 cfu/mL |

• The fluttering of one's hair



• Key ingredients

Niacinamide, Caffeine, l-Menthol, Salicylic Acid, Dexpanthenol

• Specification



| | |
|------------------|--|
| Appearance(25°C) | : Transparent Liquid (Standard) |
| Color | : White ~ Light Yellow (Standard) |
| Odor | : Odorless or a faint characteristic odor (Standard) |
| pH | : N/A |
| Specific gravity | : 1.000 ~ 1.100 (20°C, Method, 1) |
| Microbial Test | : ≤ 100 cfu/mL |

Bio-Capsulation, Stable, Customizable, Vislar MIZOAN® Soft Double Oil Capsule

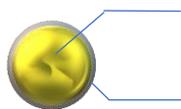
Background of development

- ✓ Active ingredients are easily oxidized by light, oxygen, and water.
- ✓ If active ingredients are protected, their effectiveness lasts longer.
- ✓ Physically protects the active ingredients from external environments.

Introduction

Oil Capsulation Technology

Customizable Formulations: Tailor the capsules to meet your specific needs.



Hydrophobic Materials

80-95% Oil, Oil-soluble ingredient

Hydrophilic Materials

Natural Polymer, Water-soluble ingredient

Active Ingredient Color & Effect

MIZOAN® Cica-W Soft Double Oil Capsule



Centella Asiatica

- **Promotes wound healing:** Accelerates skin regeneration and reduces the appearance of scars.
- **Stimulates collagen production:** Enhances skin elasticity and firmness.
- **Anti-inflammatory properties:** Helps alleviate acne and dermatitis.
- **Antioxidant protection:** Prevents premature aging.



MIZOAN® Asta-P Soft Double Oil Capsule



Astaxanthin

- **Powerful antioxidant:** Reduces skin inflammation and redness.
- **Protects from UV damage:** Minimizes the risk of sunburn and photoaging.
- **Enhances skin moisture:** Improves skin texture and hydration.
- **Neutralizes free radicals:** Supports overall skin health.



MIZOAN® Coq-Y Soft Double Oil Capsule



CoQ10

- **Boosts cellular energy:** Enhances skin repair processes and rejuvenates the skin.
- **Supports cell turnover:** Promotes a healthier and more vibrant complexion.
- **Reduces fine lines and wrinkles:** Improves skin elasticity and smoothness.
- **Strong antioxidant:** Shields skin cells from oxidative damage.



MIZOAN® Guai-B Soft Double Oil Capsule



Guaiazulene

- **Anti-inflammatory effects:** Soothes irritated and inflamed skin.
- **Strengthens skin barrier:** Reduces moisture loss and maintains hydration.
- **Provides antioxidant benefits:** Protects skin from environmental stressors.
- **Calms sensitive skin:** Alleviates itchiness and redness.



Features

MIZOAN® Cica-W Soft Double Oil Capsule



MIZOAN® Asta-P Soft Double Oil Capsule



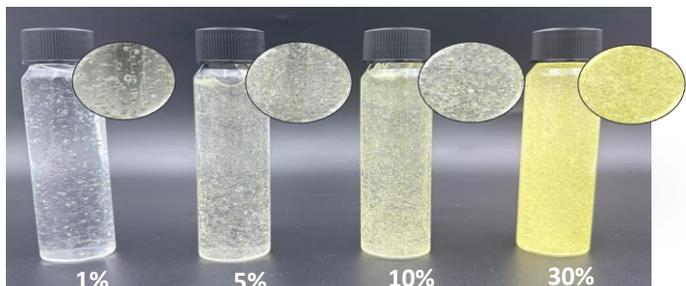
MIZOAN® Coq-Y Soft Double Oil Capsule



MIZOAN® Guai-B Soft Double Oil Capsule



Visual effects by concentration



Characteristic

- Double capsules encapsulating oil with biopolymer
- Contains 80-95% oil
- Protects active ingredients from external factors
- Long-lasting efficacy
- Provides suppleness to the skin
- Uses natural pigments
- Color : Clear, Red, Blue, Yellow, etc.
- Particle size : 400-1000um
- Patent Pending

