



Biobeautech Co., Ltd. R&D Center
R1406-1410, Mega-dong, 124 Sagimakgol-ro, Jungwon-gu, Seongnam-
city, 13207, Republic of Korea

ISO9001, ISO14001, ISO22716, EFPI GMP Globalized Standard System, 동물의약품제조허가획득



"Global Smart System"
TEL: 031-776-0875
E-mail: sales@biobeautech.com

2026 Major 140 Kinds of Raw Material List

No.	Raw material name	Effectiveness and efficacy	Patent/	NMPA	Recommended Dosage
기초 : 황산화					
1	Idebenone 1% Niosome Solution	이데베논 3% 니오솜 황산화제, 안티에이징효과.	등록특허	○	1~10%
2	Idebenone 3% Niosome Solution	이데베논 3% 리포솜 황산화제, 안티에이징효과.	등록특허	-	1~10%
3	Idebenone 5% Oil Soluble	이데베논 5% 리포솜 유용성 안정화제, 황산화제, 안티에이징효과.	등록특허	-	1~10%
4	Querbenone Niosome Solution-1100EX	이데베논 + 퀘세틴 함유 안정화제, 강력한 항산화 효과 우수.	특허	-	1~10%
5	Astaxanthin 0.3% Niosome Solution	국내 최대함량 0.3% 아스타잔틴 함유 니오솜 황산화 효과.	특허	○	1~10%
6	Quercetin Niosome-200EX	투명하게 용해되는 퀘세틴 니오솜 용액, 강력한 항산화제, 수용성 제형도 가능.	특허	-	1~10%
7	CoQ10-Niosome 1% Solution	코엔자임큐10 니오솜 원료.	특허	-	1~8%
8	PureRetinol Liposome Solution-10000IU	퓨어레티놀이 물에 넣어도 투명하게 용해되는 리포솜, 1만IU함유.	특허 논문	○	0.1~3%
9	PureRetisome-A10MIU	퓨어레티놀 안정화 리포솜, 10만IU함유.	특허 논문	-	0.1~5%
10	Menadiione Liposome VK1000	메나디이온, 비타민 K 2% 리포솜 안정화 원료.	특허	-	0.1~5%
11	Melatonin-Liposome-Solution	멜라토닌 리포솜 안정화 성분.	특허	-	0.1~10%
12	ALA 3% Liposome Solution	Alpha Lipoic Acid 3% Liposome Solution, 고효능성분. (Thioctic acid)	특허	○	0.1~3%
기초 : 주름					
1	Genistein 3% Liposome Solution	피토에스트로젠 식물성 여성호르몬 강화, 피밍, 탄력 효과 우수, 리포솜안정화 성분.	특허	-	1~5%
2	Daidzein 1% Liposome Solution	피토에스트로젠 식물성 여성호르몬 강화, 피밍 탄력 효과 우수, 리포솜안정화 성분.	특허	-	1~3%
3	AHK-Cu Liposome-1000	AHK-Cu 3중 겹층 특이성분: 탈모방지, 주름개선에 탁월한 펩타이드 (리포솜) 안정화 성분.	특허 논문	-	0.1~5%
4	Ursolic Acid Liposome-1000	Ursolic Acid 10% Liposome 처리 주름, 미백효과 고효능성분.	논문	-	0.1~5%
5	Peptasome Complex-5EX	5종의 펩타이드 혼합물, 안정화 원료.	-	-	0.1~3%
6	BAKUCHIOL LIPOSOME-1000	바쿠치올 10% 안정화 리포솜제, 수용성, 유사 레티놀 특효성과 성분.	-	-	0.1~5%
7	Centellasome 10% Liposome Solution	약전등급 셀렐라아시아티카 10% 안정화 성분, USP 그레이드.	논문	-	1~5%
8	CENTELLASOME-400EX	셀렐라아시아티카 리포솜 안정화 성분.	논문	-	1~5%
기초 : 미백					
1	Resveratrol 1% Niosome Solution	황산화, 미백제.	특허	○	1~10%
2	Vita-some-ABCE	비타민-A, B, C, E가 복합함유된 리포솜 안정화 원료.	특허	-	0.1~3%
3	TRANEXAMIC ACID-10% Liposome Solution	트랜엑사믹산 10%함유 안정화.	특허	-	1~5%
4	Orizanol 2% Niosome Solution	오리자놀 2% 니오솜 안정화 원료, 황산화, 브라이팅.	-	-	1~10%
5	Glutathion Solution / 글루타티온용액	글루타티온 6% 용액.	-	-	0.1~10%
6	Pure Vita-C150WF	무수제형으로 퓨어비타민15% 함유 안정화 원료.	-	-	10~30%
기초 : 보습					
1	Cerasome Complex-5EX	5종의 세라마이드 혼합물, 리포솜 제제, 5종의 세라마이드 조성분 표기 가능.	-	○	0.1~3%
2	BIO-HYALURONATE-070A	7가지 히알루론산 함유 나노복합물.	-	○	0.1~2%
3	NANO CECOLII-HK311	세라마이드+글리세롤+지방산이 3:1:1로 구성된 각질층 장벽강화제.	등록특허	○	0.1~5%
4	Bio-Hyaluronate-001A	1% 히알루론산, 사용감 BEST.	-	○	0.1~3%
5	Penet-hyaluronate-5000	피부에 침투되는 저분자 히알루론산.	-	-	0.1~5%
6	Mediato SC-127	아토피 피부에 적합한 첨가 복합소재.	-	-	0.1~5%
7	Methyl Gluceth-20	적은 양으로 리지한 감촉을 주는 보습제, 시트마스크, 스킨토너 등.	-	-	1~5%
헤어					
1	SILKSOME-6CS	수용성 실리콘 30%, 물에희석해도 파인한 블루 기용화 형성, 촉촉한 사용감 개선.	특허	○	0.5~3%
2	GHK-Cu	탈모예방 펩타이드.	특허	-	0.10%
3	AHK-Cu	탈모예방 펩타이드.	특허	-	0.10%
4	Oxygen Water-300	안정화된 산소수 30ppm.	등록특허, 중국특허	○	10~70%
5	Keratin-HYD	하이드롤라이즈드 케라틴, 헤어에 인기있는 원료.	-	○	0.1~3%
6	HYD-Keratin-EHP10	유용성과 하이드롤라이즈드 케라틴, 헤어에 인기있는 원료.	-	-	0.01~1%
7	Collastin	콜라겐과 엘라스틴 복합물 : Hydrolyzed Collagn & Hydrolyzed Elastin.	-	-	0.1~2%
8	Condi-Dongbaek-300	수용성 동백 오일.	IFSCC논문발표	○	1~20%
9	Condi-Argan-300	수용성 아르간 오일.	IFSCC논문발표	○	1~20%
10	Condi-Jojoba-300	수용성 호호바 오일.	IFSCC논문발표	○	1~20%
11	Momoeasy	탈모 개선 효과, 탈모 증상 완화 및 재발에 효과적인 나이아신아마이드, 카페인, 엘렌올, 살리실산, 엑스탄테놀로 구성된 복합 원료.	-	-	1~5%
12	APDM-8020	삼푸, 린스, 헤어 컨디셔닝제, Amino propyl dimethicone.	특허 논문	-	0.1~5%
13	Biotin Liposome-VH1000	비오틴, 비타민 H 0.1% 리포솜 안정화 원료.	특허	-	0.1~5%
14	Golden Huile	모발 윤기 효과, 볼로화지방산이 다량 함유되어 모발을 보호, 코팅하여 모발 윤기 개선 및 모발 보호에 효과적.	-	-	1~5%
15	HA Elastic-IM	모발탄력, 영양공급, 모발성장	-	-	1~5%
16	HA Loss-IM	탈모, 탈모증상 완화, 탈모예방	-	-	1~5%
17	HA Shine-IM	모발광택, 모발윤기, 모발보호.	-	-	1~5%
18	SC Moisture-CR	한방소재, 두피보호, 탈모예방.	-	-	1~5%
19	SC Sebum-CR	사포닌, 두피각질, 피지조절.	-	-	1~5%
20	Argan Oil Organic	모로코산 유기농 Argan 오일, 비가운 추출공법.	-	○	0.1~5%
21	DET-PHS550	실리콘 free 헤어 컨디셔닝제, 보습제.	특허	-	0.1~3%
Sun care					
1	Zinc Oxide P99/30	역사고날구조를 가진 ZnO, 높은 SPF 효과 & PA 차단 효과, 파우더만으로 SPF50, PA++++가능.	특허 논문	○	1~25%
2	NeoPIT SS-BLK-30PLS	유기자외선 차단제 나노에멀전, 선 스프레이 전용 나노에멀전, 스프레이 토너 가능 성분.	논문	-	10~30%
천연색소					
1	Natural Blue-4510EX	안정화 식물성 청색색소로 적은양으로 착색 가능.	-	-	0.05~0.2%
2	Natural Red-2500EX	안정화 식물성 적색색소로 적은양으로 착색 가능.	-	-	0.05~0.2%
3	Natural Yellow-2505EX	안정화 식물성 황색색소로 적은양으로 착색 가능.	-	-	0.05~0.2%
4	Natural Green-1808EX	안정화 식물성 그린색소로 적은양으로 착색 가능.	-	-	0.05~0.2%
5	Oil-Sol-Blue-5610EX	유용성천연색소: 콜렌징오일, 천연캐리어오일 등에 적용 가능.	-	○	0.05~0.2%
6	Red Cabbage Extract-Anto012C	안정화 식물성 그린 색소.	-	○	0.05~0.2%
7	Cacao Extract-958B	안정화 식물성 카카오 색소.	-	○	1% 이하

클렌징

1	AHA-BHA-PHA 복합성분	AHA-BHA-PHA 혼합물, 각질제거효과, 피부 turnover 효과.	-	0.1~20%
2	MIZOAN ABPLHA-SOME	AHA, BHA, PHA, LHA를 리포솜화하여 안정화시킨 원료, 각질제거 효과, 피부 Turnover 효과 우수.	○	0.1~5%
3	Pore Clearing Liposome Solution	블랙헤드 제거제.	등록특허	8~15%
4	CEW-120RE	클렌징 워터 전용 수용성 계면활성제.	-	1~5%
5	CEO-8305F	투명한 클렌징오일전용 계면활성제, EWG-그린등급, SORBETH-30 TETRAOLEATE, HLB=11.58.	○	7~12%

Nano&Micro-Emulsion

1	NeoPIT TOCO-20	토코페롤 20% 함유 나노에멀전, 유수분발한서, 항산화효과, 제형에 사용 용이함.	○	1~10%
2	NeoPIT MCT-20EOF	카프릴릭/카프릭트라이글리세라이드 20% 유수분 balancer.	-	1~10%
3	DET-TS	현탁제, 보습제, EO-free 식물성 D상 나노 에멀전 50% 오일 함유, 시트마스크 등.	○	1~5%
4	NeoPIT CH-20	라이트한 사용감촉, PIT 나노에멀전, 유수분 balancer.	-	1~10%
5	NeoPIT MACA-20EOF	마카데미아오일20% 함유 나노에멀전, 유수분 balancer, 보습제.	-	1~10%
6	NeoPIT SR-20EOF	Super Rich한 사용감촉을 내는 나노에멀전, 고보습제.	-	1~10%
7	NeoPIT SQ-20	식물성 스쿠알란 20%함유 나노에멀전, 유수분 balancer.	-	1~10%
8	NeoPIT PHEM-15	나노에멀전EOF, 유수분발한서, 시트마스크 전용, 중국 수출 전용.	○	1~10%
9	Microemulsion-Clear	고함량 오일함유 투명 마이크로에멀전 제형, 물에 혼합시 Fine한 500nm로 전상되는 독특한 제형.	○	1~5%
10	Microsome-Lutein1000	루테인 함유 투명마이크로에멀전, 물에 혼합시 노란색의 500nm 유효물로 전상되는 셀프유화.	-	1~5%
11	Microsome-Idelbe1000	이데베는 함유 투명마이크로에멀전, 물에 혼합시 노란색의 500nm 유효물로 전상되는 셀프유화.	-	1~5%
12	Microemulsion Phyco-Clear	고 내상 포도씨오일 고농도 함유한 투명 이중연속성마이크로에멀전 소재: 물에 물린 500nm 에멀전화.	○	1~10%

유화제 & 가용화제

1	Solubil ORG-1300	유기성 식물성 가용화제, O/W유화제, HLB=15.2.	○	0.1~5%
2	Solubil EWG-1100	식물성 가용화제, O/W유화제, HLB=15.3.	○	0.1~5%
3	MimicLipid MSM-1000	제2의 피부모질: 비이온성 계면활성제, EWG 1등급, 10-60여종 라벨라구조역정형성 유화제.	○	1~5%
4	NatuPIT-Emul-8500	M/F치리 없이 나노에멀전을 만드는 독자성분 Natural PIT전용 유화제.	-	2~10%
5	Sugar Crystal LC	천연액정유화제, 저점도 역정형성에도 안정성 우수 S급타입.	○	1~5%
6	Sugar Crystal LC-100	천연액정유화제, 저점도 역정형성에도 안정성 우수 S급타입.	○	1~5%
7	BioPhyro-PGI-250	EWG-1등급 가용화제, O/W 유화제, Glycereth-25 PCA Isostearate, HLB=14.1.	○	0.1~5%
8	MOP-875N	수크로오스계 식물성계면활성제로 고함량의 오일 용입이 가능한 D상 유화가능.	○	0.1~7%
9	WOWS	W/O, W/S전용 강력한 Network유화제, 선블록, BB크림, 파운데이션 제형에 적합.	-	2~8%
10	CleanEmul-7300	M/F치리없이 나노에멀전, 투명마이크로에멀전 형성 식물성 계면활성제, EU수출용 검증된소재.	○	3~8%

Pigment base

1	WOWS	W/O, W/S전용 강력한 Network유화제, 선블록, BB크림, 파운데이션 제형에 적합.	-	2~8%
2	BH Powder 21	별도의 색조 없이도 피부 본연의 색으로 파운데이션, 크림, 쿠션 등 메이크업 제형에 적용 가능한 21호 색상.	○	1~20%
3	BH Powder 23	별도의 색조 없이도 피부 본연의 색으로 파운데이션, 크림, 쿠션 등 메이크업 제형에 적용 가능한 23호 색상.	○	1~20%
4	Two Layer Coated Powder Complex-23	파우더 표면에 글루코스, 등 물리마가 코팅되어 쉽게 점진되고, 끈적임 없이 미끈미끈한 텍스처의 파우더.	○	1~8%
5	Hybrid TiO2-PDSC	가장 우수한 TiO2 표면에 리포솜이 코팅된 Tone-Up파우더, 보습력이 우수한 Make-up원료분말.	○	1~10%
6	Hybrid TiO2-EMSC	피부밀착감이 우수한 TiO2 표면에 천연오일이 코팅된 Tone-Up파우더, 유연감이 우수한 Make-up원료분말.	○	1~10%
7	Fine TiO2 CCR-110	가장 Fine한 Nano TiO2, 기초제형에서 Tone-up 발원제로 사용.	○	1~20%

Active Ingredients

1	MicroNeedle HA-Coating	마이크로니들 파우더 150um, 등록특허 원료, Hydrolyzed Sponge에 히아루론산을 표면 코팅.	○	1~5%
2	Microneedle Powder 150	마이크로니들 파우더 150um, Hydrolyzed Sponge.	○	1~8%
3	Cordycepin 98% 파우더	아데노신 대체 주름개선 기능성 성분.	-	0.10%
4	Alpha-Lipoic Acid	Thioctic acid	-	0.1~2%
5	MAP (Magnesium Ascorbyl Phosphate)	VC-PMB.	-	0.1~2%
6	Tranexamic Acid	미백제, 시세이도 사용.	-	0.1~2%
7	White Curcumin	백색 고순도 커큐미노이드 분말, 항산화제, 미백제 Tumeric Root Extract White-900 CTFE 등재원료.	-	0.1~3%
8	Allantoin	자극완화제.	-	0.1~2%
9	Fisetin 98% 파우더	연꽃잎에서 추출한 고순도 항산화 성분.	-	1%
10	Quercetin 98% 파우더	연꽃잎에서 추출한 고순도 항산화 성분.	-	1%
11	Stearyl Glycyrhretinate 98%	구강소독제, 상처치유제, 자극완화제, 식물성 추출물.	-	1%
12	Coenzym-Q10	코엔자임Q10 파우더.	-	1%
13	Modify-Gold-PDR	기초전용 골드 파우더 (황금색).	○	0.1~2%
14	Modify-Gold-PDR-10	기초전용 골드 파우더 (황금색),고운 입자.	○	0.1~2%

기타

1	Condi-Dongbaek-300	수용성 토평백 오일.	○	1~20%
2	Condi-Argan-300	수용성 아르간 오일.	○	1~20%
3	Condi-Jojoba-300	수용성 호호바 오일.	○	1~20%
4	Natural Oil Mixture	5종의 저가형 식물성오일 (유채오일, 아르간오일, 마카데미아오일,아프리카로트오일, 포도씨오일).	○	1~10%
5	Colloidal Gold	콜로이드 골드, 순금 50ppm.	-	0.1~2%
6	Colloidal Silver	콜로이드 실버, 순은 100ppm.	-	0.1~2%
7	Colloidal Platinum	콜로이드 플래티늄, 백금 100ppm.	-	0.1~2%
8	Preserve-HHM	복합 방부제, 추천량: 0.3% 내외.	○	0.5~1%
9	Defoamer SF-300N	실리콘프리 소포제, 사용감개선제, 유용성.	○	1~10%
10	Defoamer SF-200	실리콘프리 소포제, 사용감개선제, 유용성.	○	1~10%
11	Cerawax-Brill	세라미드 천연광채 Tone-up 효과를 보유한 왁스, 오일에 용해 분산하여 사용.	○	3~5%
12	Instant Lift PS-300	인스턴트 보톡스 효과, 즉각적인 수렴 효과, 스프레이 제형 등에 적합.	○	1~10%
13	Gica-W Soft Double Oil Capsule	재생 효과, 피부재생과 탄력강화, 여드름과 피부염을 예방하고 노화를 방지.	-	1~30%
14	Asta-P Soft Double Oil Capsule	항산화 효과, 피부 염증 감소 및 수분을 공급하고 UV로부터 손상을 보호.	-	1~30%
15	Coq-Y Soft Double Oil Capsule	미토콘드리아 활성 효과, 피부 회복과 탄력을 향상시키고 강력한 항산화 효과.	-	1~30%
16	Guai-B Soft Double Oil Capsule	항염 효과, 피부 염증 감소 및 수분을 공급, 유지 시기와 가려움증과 붉은기를 완화.	-	1~30%
17	Oxygen Water-300	안정화된 산소수 30ppm.	○	10~70%
18	Oxygen Water-AHPB-3100	안정화된 (산소수 30ppm + Acetylhexapeptide-8) 혼합물.	○	1~30%
19	제주정제해수(Jeju Refine Sea Water)	제주 해수.	○	1~20%
20	SC-LIPID-160EX	초임계 상태에서 리포솜을 형성시키는 계면활성제 리피드임, 차세대 리포솜.	○	1~3%
21	Triple Bead Capsule-WHITE, RED, Gold 3종	3종캡슐 제제: 비저블 골드, 레드, 화이트 3종, 문지르면 녹아서 흡수되는 2mm 입자 비드.	○	3~10%
22	Thixo Gel-SP	스프레이 가능한 겔화제.	-	0.1~2%
23	Golden Silk AminoPeptide-GLY30	무수타입, 19종의 아미노산이 함유된 바이오 발효성분.	-	0.1~3%
24	Royal Black 7 Complex	항산화, 항노화에 효능 있는 블랙베리 추출물 7종 함유 복합물	○	1~8%
25	Galactomyces Ferment Filtrate	갈락토미세스 발효여과물, SK-II 피터라 성분.	-	0.1~30%
26	AHK-Cu Double Capsule Bead	AHK-Cu 2종 캡슐 특허성분: 탈모방지, 주름개선에 탁월한 펩타이드 (리포솜+매트릭스캡슐) 안정화 성분.	○	0.1~5%
27	Hydrolyzed Soy Protein EXW-850	하이들라라이즈드 콩 단백질 소재.	○	1~50%
28	TRE 3% Niosome Solution	Tumeric Root Extract (주성분: Tetrahydrocurcumin 3%함유) 안정화 Niosome Solution.	○	0.1~5%
29	HC DET-BUTEMUL-2525	버터크림 / 사벳크림 제형 베이스, 고보습.	-	10~50%
30	JEJU ACNE PLANT COMPLEX	향 여드름, 각질제거, 항산화, 보습, 세포재생, 제주도 자생 생물을 이용한 원료.	-	1~10%
31	JEJU SUM COMPLEX	천연 유래 성분의 조화로 지방 연소, 대사 촉진, 체내 균형을 동시에 지원하는 다이어트 추출물	-	1~10%

MIZOAN® Solubil ORG-1300

What is MIZOAN® Solubil ORG-1300?

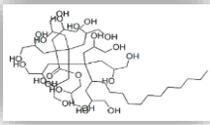


It is an **organic solubilizer** that can be applied to **organic cosmetics**, and is a **solubilizer with excellent solubilizing power** made by synthesizing high-purity polyglyceryl-10 oleate and polyglyceryl-10 stearate. Solubil ORG-1300 can be applied to a variety of solubilized products as it exhibits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

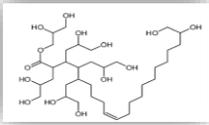
Appearance : Viscous Paste
Color : Pale Yellow
Odor : Odorless or faint characteristic odor
Acid value : < 5%
HLB : Approximately 12.8 to 14.8
EWG : Green grade

	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%	

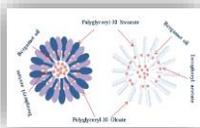
Polyglyceryl-10 stearate



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?

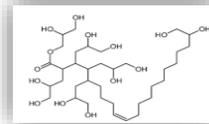


It is a **plant surfactant with excellent solubilizing power and emulsifying power** by mixing high-purity polyglyceryl-10 isostearate and polyglyceryl-10 oleate. Non-ionic surfactants form **Microemulsion micelle**, which is effective in moisturizing the skin, removing useful contaminants deposited 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.

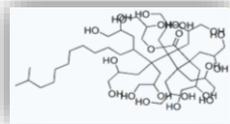
Appearance : Viscous Paste
Color : Light yellow
Odor : Odorless or faint characteristic odor
Acid value : < 5%
HLB : Approximately 13.5 to 14.8
EWG : Green grade

	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%	

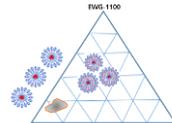
Polyglyceryl-10 oleate



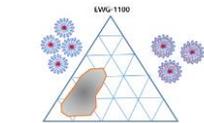
Polyglyceryl-10 isostearate



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

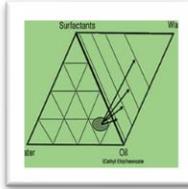


Appearance	Paste
Color	Slightly Yellowish color
Odor	Odorless or a faint characteristic odor
Specific Gravity	0.900~1.300
Acid Value	Max. 5
Storage Condition	Below 30°C
Packing unit	19kg

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

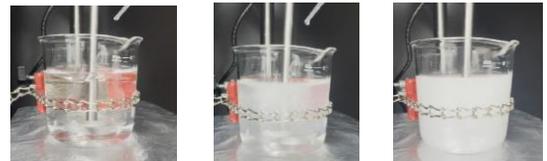
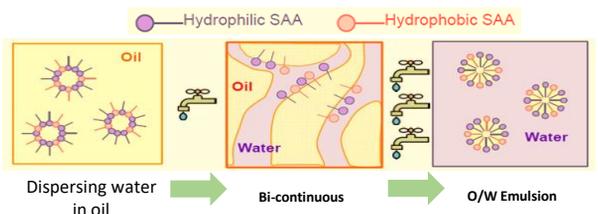
Manufacturing Method

- 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.



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.



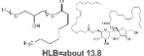
Appearance : White flake
Odor : Odorless
All cosmetic fields
Storage : Room temperature

Unique Fine Nano Emulsion & O/W Natural Emulsifier



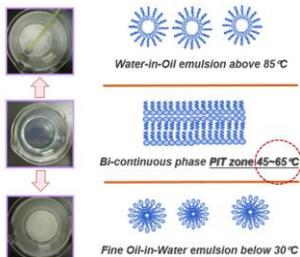
INCI Name: Polyglyceryl-10 Caprylate (CAS 51033-41-1), Sucrose Distearate (CAS 27195-16-0)

- 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	
	Condil-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 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	
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!

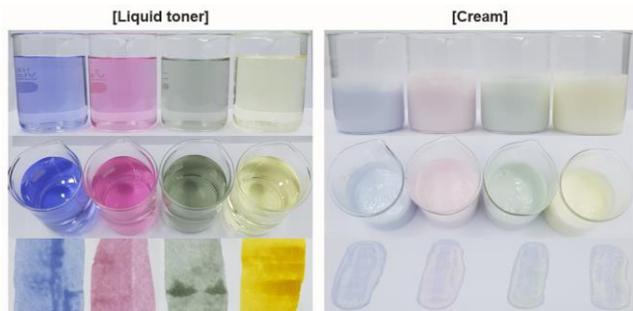
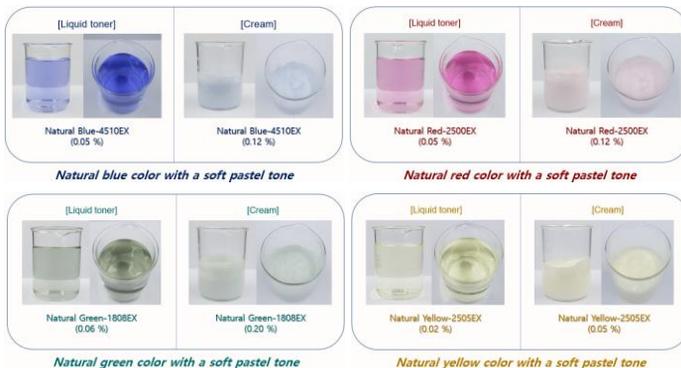
✓ A natural color that is gentle and natural without eye fatigue



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)



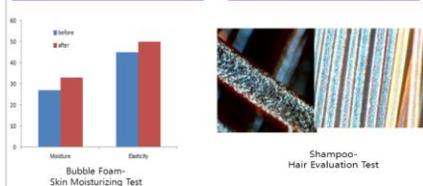
(D) Shampoo

- 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-25피씨에이아이소스테아레이트	1007304-55-3	100%	20kg



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

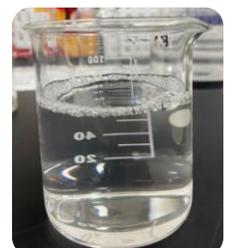
Guide Formulation

Biopyro Cleansing Water

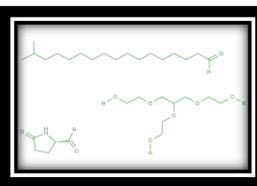
PHASE	INCI name	(%)	Remark
A	WATER	76.9	
	Glycerin	10	
B	Biopyro-PGI-250	5	BIOBEAUTECH
	Butylene Glycol	3	
C	Dipropylene Glycol	3	
	1,2-Hexanediol	2	
	Ethylhexylglycerin	0.05	
	fragrance	0.05	

<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

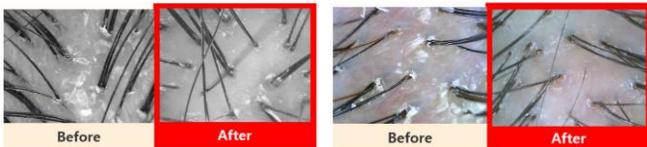
Saponaria Officinalis Leaf Extract, Sapindus Mukorossi Peel Extract, Ginkgo Biloba Leaf Extract, Oryza Sativa (Rice) Bran Extract, Avena Sativa (Oat) Extract, Saponin

• 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



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

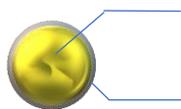
Background of development

- ✓ 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

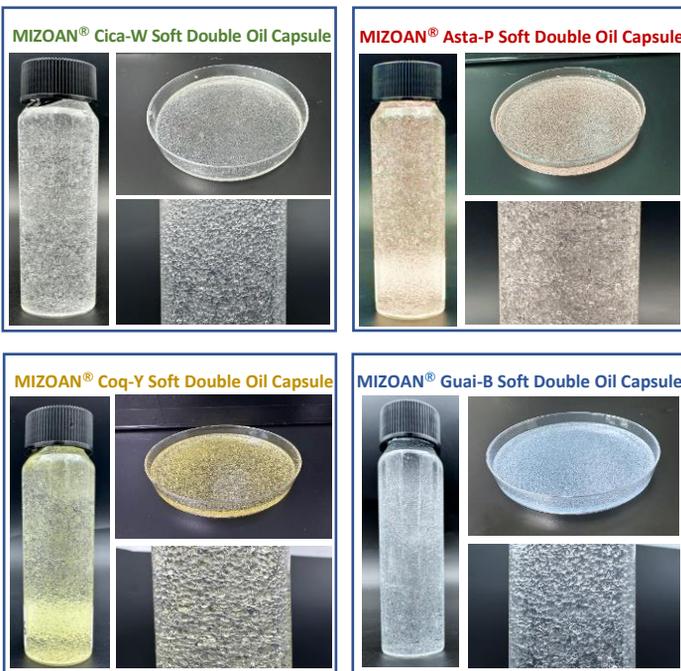


Guaiazulene

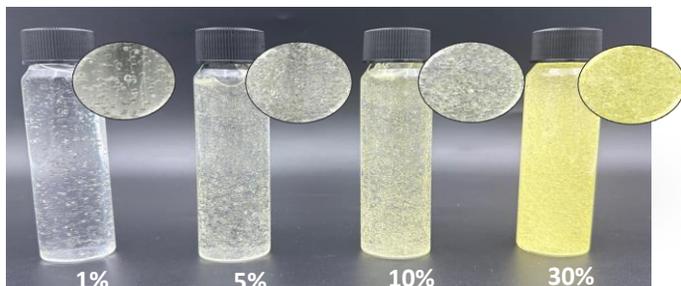
- **Anti-inflammatory effects:** Soothes irritated and inflamed skin.
- **Strengthens skin barrier:** Reduces moisture loss and maintains hydration.
- **Provides antioxidant benefits:** Protects skin from environmental stressors.
- **Calms sensitive skin:** Alleviates itchiness and redness.



Features



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

