

Presperse Finished Products

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Despair Repair (SPF-28 *in vitro*)

Formula #: 32-71-2, Date: 11/21/08

WHAT IS IT?	A W/O moisturizing sun protection cream for the face, lightly tinted to offer sheer coverage. Natural Marine botanicals combat aging and sensitive skin as it protects and repairs fragile skin. SiClone™ TD-150 titanium dioxide dispersion offers sun protection without the irritation level of organic sunscreens.
HOW DO YOU USE IT?	Apply a small amount onto a sponge applicator and gently dab evenly over the face until a desired coverage is achieved.
WHO SHOULD USE IT?	Anyone seeking a hydrating moisturizer with the benefit of non-chemical sunscreen protection specially formulated for fragile skin. Those seeking a one-step moisturizer, skin treatment and sheer coverage.
WHAT DOES IT DO?	High transparency, coupled with its excellent UV shielding effect, allows SiClone TD-150 to offer a non-chemical, broad UVA/UVB protection without irritation. Marine extract Sea Starwort Oil reduces blotchiness and redness, and protects the fragile capillary network. Sea Mayweed SC soothes and relaxes sensitive skin, while SICLONE SR-5 imparts the dry emollience, which leaves the skin feeling soft and silky. PERMETHYL® 104A provides film forming, which enhances the efficacy and improves wearability of the sunscreen.
WHAT'S IN IT?	Water, Titanium Dioxide, C13-16 Isoparaffin, C12-14 Isoparaffin, C13-15 Alkane, Aluminum Hydroxide, Isostearic Acid, C18-21 Alkane, Isohexadecane, Dimethicone Crosspolymer-3, Mica, Lauryl PEG/PPG-18/18 methicone, Silica, Glycerin, Chondrus Crispus (Carrageenan) Extract, Aster Maritima Extract, Tripleurospermum Maritima Extract, Caprylic/Capric Triglyceride, Cetyl PEG/PPG-10/11 Dimethicone, Polyisobutene, Phenoxyethanol, Ethylhexylglycerin, Dimethicone, Yellow Iron Oxide, Red Iron Oxide, Black Iron Oxide, Sodium Chloride.

Trade Name	INCI Name	Supplier	% W/W
PHASE A			
SiClone™ SR5	C ₁₃₋₁₆ Isoparaffin, C ₁₂₋₁₄ Isoparaffin, C ₁₃₋₁₅ Alkane	Presperse, LLC	2.00
Permethyl 246C	C ₁₈₋₂₁ Alkane (and) Polyisobutene	Presperse, LLC	5.00
Jeesilc IHD	Isohexadecane (and) Dimethicone Crosspolymer-3	Jeen International	8.00
Sea Starwort Oil	Caprylic/Capric Triglyceride (and) Aster Maritima Extract	Presperse, LLC	1.00
Formulation Aide 5200	Lauryl PEG/PPG-18/18 methicone	Dow Corning	2.00
Abil EM-90	Cetyl PEG/PPG-10/11 Dimethicone	Degussa	1.00
Permethyl 104A	Polyisobutene	Presperse, LLC	1.00
PHASE B			
SiClone TD-150	Titanium Dioxide (and) C ₁₃₋₁₆ Isoparaffin (and) C ₁₂₋₁₄ Isoparaffin (and) C ₁₃₋₁₅ Alkane (and) Aluminum Hydroxide (and) Isostearic Acid (and) C ₁₈₋₂₁ Alkane	Presperse, LLC	15.00
Phase C			
Sericite PHN	Mica	Presperse, LLC	3.28
Oleospense Red	Yellow Iron Oxide (and) Dimethicone	Presperse, LLC	0.13
Oleospense Yellow	Red Iron Oxide (and) Dimethicone	Presperse, LLC	0.66
Oleospense Black	Black Iron Oxide (and) Dimethicone	Presperse, LLC	0.13



PHASE D			
Spheron L-1500	Silica	Presperse, LLC	2.00
Micropoly 230L	Polyethylene	Presperse, LLC	1.00
PHASE E			
Deionized Water	Water	N/A	50.05
Zilgel Oil	Glycerin (and) water (and) Sodium Polyacrylate (and) PVM/MA Copolymer	Presperse, LLC	3.00
Oligogeline	Water (and) Chondrus Crispus (Carrageenan) Extract	Presperse, LLC	2.00
Sea Mayweed SC	Water (and) Tripleurospermum Maritima Extract	Presperse, LLC	1.00
Sodium Chloride USP	Sodium Chloride	N/A	0.75
Euxyl PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	Schülke	1.00

Presperse products appear in bold.
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P R O C E D U R E

1. Combine Phase A in the order listed with medium propeller mixing at 20-25C. Mix until uniform (1-2 min).
2. Blend Phase C in a dry blender on medium speed until uniform. Check blend for streaking and re-blend if necessary until no streaking is observed.
3. Add phase B to Phase A and mix with a high shear mixer at medium speed until homogenous (2-3 min) at 20-25C.
4. Add Phase D to batch, continue mixing with a high shear mixer at medium speed until batch is uniform.
5. Combine Phase E in order listed with medium prop mixing at 20-25C. Mix until uniform (2-3 min).
6. Slowly add Phase E to Phase ABCD with medium shear mixing, increase the shear speed as the solution starts to build viscosity. Mix for 3-4 minutes or until batch is homogeneous. Transfer to closed container.

INGREDIENT	FUNCTION
SiClone TD-150	Micronized Titanium Dioxide dispersion with excellent transparency and UV shielding.
SiClone SR5	Provides volatility and a light silky after feel
Permethyl 246C	Moisturizer, silky after feel
Sea Starwort Oil	Protects the fragile capillary network to reduce blotchy or reddened skin.
Oleospearse, YIO, RIO, BIO	Surface treated pigments for better oil dispersibility
Spheron L-1500	High oil absorbance, detackifier
Micropoly 230L	Offers creamy and luxurious afterfeel to formula
Zilgel Oil	Superb moisturizer
Oligogeline	Film former and moisturizer
Sea Mayweed SC	Soothes and relaxes skin.

S P E C I F I C A T I O N S

APPEARANCE @25C	brown, opaque, semi-solid
pH	5-7
VISCOSITY @25C	15,000-30,000 cps (Spindle #6, 10rpm, 1min.)

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