

# Combined Coverage Sunscreen Cream

Developed by Siltech  
www.siltech.com

## INGREDIENTS

### Phase A

	WT%
D.I. Water	49.5
Zemea propanediol (Dupont)	5.0
Sodium chloride	1.0
Silube PCH (Siltech) (Polyglyceryl-4 isostearate (and) Cetyl PEG/PPG-10/1 dimethicone (and) Hexyl laurate)	6.0
Silwax A08-UP (Siltech) (Caprylyl methicone)	4.0
Siltech CE-2000 (Siltech) (Tricyldodecyl citrate)	8.0
Tinasorb M (BASF) (Methylene bis-benzotriazolyl tetramethylbutylpheno (nano)	1.0

### Phase B

Paracera W80 (Paramelt) (Crystalline wax)	1.5
Escalol 517 (Ashland) (Butyl methoxydibenzoylmethane)	1.0
DIM 2F650T4 (Kobo) (TiO <sub>2</sub> , Dimethicone, Polyglyceryl-3 polydimethylsiloxylethyl dimethicone, Alumina, Hydrogen dimethicone)	12.0
ZinClear XP 65 Coco (Antaria) (Zinc oxide, Cococaprylate/caprinate, Polyglyceryl-3 polyricinoleate, Isoteric acid)	10.0

### Phase C

Zeastat (Inolex) (Caprylhydroxamic acid (and) Propanediol)	1.0
--	-----

**PROCEDURE:** Combine phase A and mix well. Heat up to 80°C. Combine all ingredients in phase B, mix well and then heat up to 85°C. Continue mixing for a minimum of 10 minutes. Add phase A into phase B slowly under moderate mixing rate. After addition, high shear at 3,000 rpm for 2 minutes. Cool batch to room temperature and keep mixing. Add phase C while mixing.

Product formulas are supplied by producers of raw materials. Included in some instances are sources of supply for the raw materials and instructions for preparation and use of the finished product. No guarantee of performance or safety is implied by Happi. For more complete details, readers should contact the suppliers directly using the telephone number or website provided with each formula. If your company has a formula that you think would be of interest to readers of Happi, marketers of soaps and detergents; cosmetics and toiletries; fragrances; waxes and polishes; disinfectants and sanitizers and other chemical specialties, we will be pleased to consider it for publication. Address all material to: Formulary Editor, Happi, 25 Philips Parkway, Montvale, NJ 07645 USA; tbranna@rodmanmedia.com

## PUT YOUR HANDS UP! NATURAL DEODORANT

Koster Keunen

860-945-3333

www.kosterkeunen.com

## INGREDIENTS

	WT%
Sunflower Wax (Koster Keunen, Inc.) (Helianthus annuus (Sunflower) seed wax)	8.0
AR Cocoa Butter (Koster Keunen, Inc.) (Theobroma cacao (Cocoa) butter)	8.0
Kester Wax K-60P (Koster Keunen, Inc.) (Polyhydroxystearic acid)	13.0
Extra Virgin Coconut Oil (Maroon Group) (Cocos nucifera (Coconut) Oil)	22.0
Jeechem CTG (Jeen International) (Caprylyc/Capric triglyceride)	16.0
Magneisum hydroxide	20.0
SMA Arrowroot Powder (SMA Collaboratives) (Maranta arundinacea root powder)	12.0
Vitamin E Acetate (BASF) (Tocopheryl acetate)	1.0

**PROCEDURE:** Combine all ingredients. Melt at 80-85°C & mix until uniform. Pour into containers at approximately 80°C and cool. **PROPERTIES:** Stability: Three months at 45°C, three months at room temperature, three freeze/thaw cycles.



**RENEW: REPLENISHING MILKY TONER****Essential Ingredients**[www.essentialingredients.com](http://www.essentialingredients.com)**INGREDIENTS****Phase A**

	<b>WT%</b>
Water	91.63
Dissolvine 100-S (Nouryon) (Tetrasodium EDTA)	0.10
Avalure Flex 6 (Lubrizol) (Polyurethane-62 (and) Trideceth-6)	0.20
Pemulen EZ-4U (Lubrizol) (Acrylates/C10-30 Alkyl acrylate crosspolymer)	0.20
Zemea Propanediol (Covation Biosciences)	2.00
Glycerin 99.7% USP Kosher (Essential Ingredients)	0.50
Hydramol TGL (Lubrizol) (Polyglyceryl-3 laurate)	0.50
Glucam P-10 (Lubrizol) (PFG-10 methyl glucose ether)	1.00
Preservative (Phenoxyethanol (and) Ethylhexylglycerin)	0.75
Schercemol CO (Lubrizol) (Cetyl ethyl hexanoate)	2.00

**Phase B**

Elfamoist AC (Nouryon) (Acetamidoethoxyethanol)	1.00
---	------

**Phase C**

NaOH 25% Solution (Water (and) Sodium hydroxide)	0.12
--	------

**PROCEDURE:** Add Dissolvine to heated (35-40°C) water and mix until dissolved. Add remaining phase A ingredients one at a time, mixing until homogenous between each addition. Remove heat source. Add the Elfamoist and mix until uniform. Once mixture reaches room temperature, adjust pH to desired range with sodium hydroxide solution.

**PROPERTIES:** pH: 6.03. Viscosity: 3,850 cps 64/60 (LV).

**VIBRANT VITAMIN SERUM****DSM**[www.dsm.com](http://www.dsm.com)**INGREDIENTS****Phase A**

	<b>WT%</b>
Water	78.49
Ecogel (Lucas Meyer) (Lysolecithin, Sclerotium gum, Pullulan, Xanthan gum)	2.50
Propanediol	3.00
Lexgard O (Inolex) (Caprylyl glycol)	0.20
Cosphaderm Pentiol Natural (Cosphatec) (Pentylene glycol)	3.00

**Phase B**

Lexol GT-865 MB (Inolex) (Caprylic/capric triglyceride)	5.00
Perfume Fleur de peau RS90514 (Technicoflor)	0.15

**Phase C**

Valvance Touch 210 (DSM Nutritional Products) (Silica)	1.00
--	------

**Phase D**

Quali B – Niacinamide PC (DSM Nutritional Products)	4.00
Quali B – D-Panthenol 75 L (DSM Nutritional Products)	2.00
Quali B – Pyridoxine (DSM Nutritional Products) (Pyridoxine hydrochloride)	0.20
Quali B – Vitamin B12 Cryst (DSM Nutritional Products) (Cyanocobalamin)	0.01
Sodium Hydroxide 10% Solution	0.45

**PROCEDURE:** Mix phase A and heat under stirring to 75-80°C. Stir phase A for 30 min at 75-80°C. Mix phase B and add it to phase A. Add phase C to phase A+B and homogenize 2 min at 18,000 rpm. Cool to 35°C with normal stirring. Add ingredients of phase D, one by one under stirring. Adjust the pH with phase E to around 7.

**PROPERTIES:** pH: 7.21. Viscosity (Brookfield RV4/10rpm): 8640 mPa.s

**JARBEAD EXFOLIATING CLEANSER****Jarchem**[www.jarchem.com](http://www.jarchem.com)

973-344-0600

**INGREDIENTS****Phase A**

	<b>WT%</b>
Water	q.s to 100.00
Aminosyl L30 (Jarchem) (Sodium lauroyl sarcosinate)	8.00
Sucranov SF (Jarchem) (Sodium cocoamphoacetate (and) Glycerin (and) Lauryl glucoside (and) Sodium cocoyl glutamate (and) Sodium lauroyl lactylate)	2.00

**Phase B**

Seppimax Zen (Seppic) (Polyacrylate crosspolymer-6)	0.80
---	------

**Phase C**

Lexgard H (Inolex) (1,2-Hexanediol)	0.80
Zemea (Dupont Tate & Lyle)	5.00
Keltrol CG (CP Kelco) (Xanthan gum)	0.20

**Phase D**

Actique NL50 (Jarchem) (Sodium PCA)	2.00
Actique Hyal 1% (Jarchem) (Sodium hyaluronate (and) aqua)	5.00
Biopure GLDA (Jarchem) (Tetrasodium glutamate diacetate)	0.20

**Phase E**

Citric Acid 20%	0.15
-----------------	------

**FORMULARY**

**Phase F**

JarBead RC-M (Jarchem) (Illite (and) Jojoba esters) 2.00

**PROCEDURE:** Premix A with propeller stirring. Add B to A, mixing until uniform. Premix C, then add to A/B. Premix D, then add to A/B/C. With E, pH batch to 6.0-6.5. Add F to A/B/C/D/E mixing until evenly dispersed.

**ANTI-AGING BODY POLISH**

**Coast Southwest, Inc.**

1-800-621-0500 • [info@coastsouthwest.com](mailto:info@coastsouthwest.com)

[www.coastsouthwest.com](http://www.coastsouthwest.com)

**INGREDIENTS**

**Phase A**

	<b>WT%</b>
Water	57.80
Endiquest GLDA (Coast Southwest) (Tetrasodium glutamate diacetate)	0.10
Endinol MILD B-SF65A (Coast Southwest) (Sodium cocoyl isethionate (and) Cocamidopropyl	24.00

hydroxysultaine (and) Lauryl glucoside (and) Cocamidopropylamine oxide (and) Caprylyl/capryl glucoside)

**Phase B**

Rosehip Oil (Coast Southwest, International Cosmetic Science Centre (ICSC) (Rosa Rubiginosa Seed Oil)	2.50
Coconut Oil (Coast Southwest, International Cosmetic Science Centre (ICSC) (Cocos Nucifera (Coconut) Oil)	1.00
Mascid 1892 (Coast Southwest, Musim Mas) (Stearic acid)	2.50
Endimulse EGMS (Coast Southwest, Musim Mas) (Glycol stearate)	1.00
Mascid 1499 (Coast Southwest, Musim Mas) (Myristic acid)	1.00
Mascid 1698 (Coast Southwest, Musim Mas) (Palmitic acid)	3.00

**Phase C**

KOH 30% aq. (Potassium Hydroxide) 1.00

**Phase D**

SharoSense Plus 181 (Coast Southwest, 0.7

Superior conditioning made easy.

Silquat® Di-30-F4D

INCI: Quaternium-80



PERFORMANCE INSPIRED INGENUITY

Silquat® Di-30-F4D is a versatile conditioning agent for hair and skin care products. Inherent cationic nature builds substantivity in hair while offering superior conditioning. This clear liquid can be easily incorporated into shampoo formulas and provides a silky sensorial on the skin.



- ✦ Improves both wet & dry comb
- ✦ Reduces flyaways
- ✦ Non-irritating
- ✦ Positively charged, ideal for hair

Check out our other quat offerings

Silquat® 4016

Silquat® CR 4000

Silquat® AD

Siltech Corporation  
 Toronto, Canada  
 +1 416.424.4567  
[www.siltech.com](http://www.siltech.com)  
[sales@siltech.com](mailto:sales@siltech.com)

## FORMULARY

Sharon-Laboratories) (Maltol (and) polyquaternium 80)

### Phase E

Novascrub Arroz (Coast Southwest, 2.00  
Novachem S.R.L.) (Oryza sativa (Rice)  
powder (and) Actinidia chinensis (Kiwi) fruit extract)

### Phase F

Olivatis 15C (Coast Southwest, Medolla 2.00  
Speciality Chemicals) (Olive oil PEG-8 esters)  
Fragrance 1.40

**PROCEDURE:** Phase A—Add phase A ingredients to main vessel with moderate mixing. Begin heating to 70°C to 75°C. Phase B—In a separate vessel, add phase B ingredients with moderate mixing. Heat to 70°C to 75°C. When both phases reach temperature add phase B to phase A with moderate mixing and maintain heat until uniform. Phase C—Once the mixture of phases A and B is uniform, add phase C and continue mixing. Cool to 40°C to 45°C. Phase D/E—At 40°C to 45°C, add phase D and E. Phase F—In a separate vessel pre-mix phase F ingredients and add to main vessel. Continue to mix as material will gain viscosity. At 25°C to 30°C, mix until uniform and then transfer. **PROPERTIES:** pH: 5 to 6.5. Viscosity: spindle 4 @5 rpm = 29,000 to 30,000 cst.

## REJUVENATING LOTION

Barentz

[www.barentz-na.com](http://www.barentz-na.com)

### INGREDIENTS

WT%

#### Phase A

Water	69.3
Natursol EMI 132 (Sodium acrylate/ Sodium acryloyl dimethyl taurate, C15-C19 alkane, C10-C16 alkyl glucoside)	5.0
Glystar A31 (Sorbitol and glycerin)	2.0
Oxismooth CO (Isoamyl cocoate)	4.0
Innollient LO (Octyldodecyl oleate, Octyldodecyl stearoyl stearate, Polyhydroxystearic acid, Octyldodecanol)	2.0
Olive Squalane	0.5
NuSolutions HydroGuard H-20 (Propanediol and hydroxyacetophenone)	2.0
Sea Kelp Bioferment (Sea Kelp (Lactobacillus/ Kelp ferment filtrate) Bioferment)	10.0
Biooptimized Guava (Propanediol, Psidium guajava leaf extract, Saccharomyces lysate extract)	2.0
Nativacare 9330 (Tapioca starch)	1.00
CireShimmer Spheres Gold (Sorbitan stearate, Synthetic wax, Polysorbate 60, Calcium aluminum	2.00



borosilicate, Tin oxide, Silica, Amorphous, Titanium dioxide)  
Kaduka Plum (Fragrance) 0.20

**PROCEDURE:** Add water to the main vessel and begin agitation. Slowly add Natursol EMI 132 to the batch and mix until homogenous. Batch will begin to thicken (this material can also be added last for ease of batching). Individually add Glystar A31, Oxismooth CO, Innollient LO, Olive Squalane and HydroGuard H-20, under moderate agitation and mix until homogenous. Add Sea Kelp Bioferment and Biooptimized Guava and mix until homogenous. Slowly add Nativacare 9330 and mix until homogenous (this is a powder so use the proper PPE when adding). Slowly add CireShimmer Spheres under gentle agitation and mix until homogenous. Add fragrance and mix until homogenous. **PROPERTIES:** Appearance: Off white lotion with orange beads. Odor: Kaduka plum. Viscosity: 12,000-16,000 cps. pH: 4.75-5.25.

## 10% IP-VC COLLAGEN BOOST OIL

Corum

886-2-8751-6060

### INGREDIENTS

WT%

Floramac 10 (Ethyl macadamiate)	2.00
Avocado Oil (Persea gratissima)	2.00
Florasun 90 (Helianthus annuus (Sunflower) seed oil)	30.00
Floramac Macadamia Refined Oil (Macadamia integrifolia seed oil)	18.00
Corum 5014 (Lauryl/Myristyl benzoate)	37.30
Tocopherol acetate	0.50
IP-VC (Ascorbyl tetraisoalmitate)	10.00
Neroli SG 21500 (Fragrance)	0.20

**PROCEDURE:** Mix ingredients. Appearance: Clear oil. ■