

# PROTOTYPE FORMULARY GUIDE



### Elegant Body Lotion

ProAqua ISL, Protachem ISP & Protachem ISL

Phase	Trade Name	INCI Name	% WT.
1	De Water	Water (Aqua)	90.00
2	Protachem BSC-B	Protachem BSC-B	1.00
3	Protachem PSA-15	Protachem PSA-15	1.00
4	Protachem ISL	Protachem ISL	1.00
5	Protachem PIP-B	Protachem PIP-B	1.00
6	Protachem ISL	Protachem ISL	1.00
7	Protachem ISL	Protachem ISL	1.00
8	Protachem ISL	Protachem ISL	1.00
9	Protachem ISL	Protachem ISL	1.00
10	Protachem ISL	Protachem ISL	1.00

**Manufacturing Procedure**

### Exfoliating Moisturizing Body Scrub

ProAqua ISL, Protachem ISP & Protachem ISL

Phase	Trade Name	INCI Name	% WT.
1	De Water	Water (Aqua)	90.00
2	Protachem BSC-B	Protachem BSC-B	1.00
3	Protachem ISL	Protachem ISL	1.00
4	Protachem ISL	Protachem ISL	1.00
5	Protachem ISL	Protachem ISL	1.00
6	Protachem ISL	Protachem ISL	1.00
7	Protachem ISL	Protachem ISL	1.00
8	Protachem ISL	Protachem ISL	1.00
9	Protachem ISL	Protachem ISL	1.00
10	Protachem ISL	Protachem ISL	1.00

**Manufacturing Procedure**

### Moisturizing Lip Balm

Protachem ISP & Protachem CER

Phase	Trade Name	INCI Name	% WT.
1	Protachem ISL	Protachem ISL	1.00
2	Protachem ISL	Protachem ISL	1.00
3	Protachem ISL	Protachem ISL	1.00
4	Protachem ISL	Protachem ISL	1.00
5	Protachem ISL	Protachem ISL	1.00
6	Protachem ISL	Protachem ISL	1.00
7	Protachem ISL	Protachem ISL	1.00
8	Protachem ISL	Protachem ISL	1.00
9	Protachem ISL	Protachem ISL	1.00
10	Protachem ISL	Protachem ISL	1.00

**Manufacturing Procedure**

### Lip Scrub

Protachem ISL & Protachem CER

Phase	Trade Name	INCI Name	% WT.
1	Protachem ISL	Protachem ISL	1.00
2	Protachem ISL	Protachem ISL	1.00
3	Protachem ISL	Protachem ISL	1.00
4	Protachem ISL	Protachem ISL	1.00
5	Protachem ISL	Protachem ISL	1.00
6	Protachem ISL	Protachem ISL	1.00
7	Protachem ISL	Protachem ISL	1.00
8	Protachem ISL	Protachem ISL	1.00
9	Protachem ISL	Protachem ISL	1.00
10	Protachem ISL	Protachem ISL	1.00

**Manufacturing Procedure**

### After Sun Mist

ProAqua ISL

Phase	Trade Name	INCI Name	% WT.
1	De Water	Water (Aqua)	90.00
2	Protachem BSC-B	Protachem BSC-B	1.00
3	Protachem PSA-15	Protachem PSA-15	1.00
4	Protachem ISL	Protachem ISL	1.00
5	Protachem ISL	Protachem ISL	1.00
6	Protachem ISL	Protachem ISL	1.00
7	Protachem ISL	Protachem ISL	1.00
8	Protachem ISL	Protachem ISL	1.00
9	Protachem ISL	Protachem ISL	1.00
10	Protachem ISL	Protachem ISL	1.00

**Manufacturing Procedure**

### Cream Rinse Conditioner

Protachem ASP & Protachem ISP

Phase	Trade Name	INCI Name	% WT.
1	De Water	Water (Aqua)	90.00
2	Protachem BSC-B	Protachem BSC-B	1.00
3	Protachem PSA-15	Protachem PSA-15	1.00
4	Protachem ISL	Protachem ISL	1.00
5	Protachem ISL	Protachem ISL	1.00
6	Protachem ISL	Protachem ISL	1.00
7	Protachem ISL	Protachem ISL	1.00
8	Protachem ISL	Protachem ISL	1.00
9	Protachem ISL	Protachem ISL	1.00
10	Protachem ISL	Protachem ISL	1.00

**Manufacturing Procedure**

### Shiny Conditioning Shampoo

Protachem BSC-B, Protachem PSA-15 & Protachem DMDM H

Phase	Trade Name	INCI Name	% WT.
1	Protachem BSC-B	Protachem BSC-B	07.20
1	Protachem PSA-15	Protachem PSA-15	2.00
2	Protachem DMDM H	p-tert-butyl Hydroquinone	0.5
3	Citric Acid	Citric Acid	0.1
4	Fragrance	Fragrance (and) Parfum	0.2
			100%

**Manufacturing Procedure**



Protameen Chemicals Inc.



# Elegant Body Lotion

*Featuring* **ProAqua ISL, Protachem ISP & Proatchem ISL**

Phase	Trade Name	INCI Name	% WT.
1	DI Water	Water/ EAU/Aqua	695.00
1	Protacide NA3 EDTA	Trisodium EDTA	2.00
1	Glycerine 99.5% USP	Glycerine	25.00
1	DL-Panthenol	Panthenol	10.00
1	ProAqua ISL	Isosteareth-200 Linoleate	10.00
1	Protacide PSP Blend	Preservative	10.00
1	Protamer Z-10	Carbomer	8.00
2	Cocoa Butter(Deodorized)	Theobroma Cacao (Cocoa ) Seed Butter	85.00
2	Protachem ISL	Isostearyl Linoleate	40.00
2	Protachem ISP	Isostearyl Palmitate	30.00
2	Protaphos CES-P	Cetearyl Alcohol(and) Dicetyl Phosphate(and) Ceteth 10 Phosphate	75.00
3	Vitamin E USP	Tocopheryl Acetate	5.00
3	Tea 99%	Triethylamine	5.00
			1000g

## Manufacturing Procedure

Phase 1 Add DI Water into Manufacturing Vessel heat to 65-70 degrees C while mixing add Protacide Na3 EDTA then Glycerin 99.5% USP. Slowly add DL Panthenol. Mix until uniform. Then add Pro Aqua ISL. Mix well add Protacide PSP Blend mix until uniform. Then very Slowly Add Protamer Z-10.

Phase 2 Keeping temp. at 67-70 degree C add Cocoa Butter Deo. Then add Protachem ISL mix well. Then add Protachem ISP mix until uniform. Add Protaphos CES-P slowly.

Phase 3 Add Vitamin E USP mix well and then add Tea 99%. Mix until uniform. Cool down and package into desired units.

*All information contained herein is intended primarily to demonstrate the utility of Protameen Chemical products. Suggestions for uses or applications are only opinions. The user is responsible for determining the suitability of these products for their own particular purpose. We assume no liability in the presentation of this data, nor should this information be construed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.*



Protameen Chemicals Inc. 375 Minnisink Road Totowa, N.J. 07512 973-256-4374



# Exfoliating Moisturizing Body Scrub

*Featuring* **ProAqua ISL, Protachem ISP & Proatchem ISL**

Phase	Trade Name	INCI Name	% WT.
1	DI Water	Water/ EAU/Aqua	665.00
1	Protacide NA3 EDTA	Trisodium EDTA	2.00
1	Glycerine 99.5% USP	Glycerine	25.00
1	DL-Panthenol	Panthenol	10.00
1	ProAqua ISL	Isosteareth-200 Linoleate	10.00
1	Protacide PSP Blend	Preservative	10.00
1	Protamer Z-10	Carbomer	8.00
2	Cocoa Butter(Deodorized)	Theobroma Cacao (Cocoa ) Seed Butter	85.00
2	Protachem ISL	Isostearyl Linoleate	40.00
2	Protachem ISP	Isostearyl Palmitate	30.00
2	Protaphos CES-P	Cetearyl Alcohol(and) Dicetyl Phosphate(and) Ceteth 10 Phosphate	75.00
3	Vitamin E USP	Tocopheryl Acetate	5.00
3	Tea 99%	Triethylamine	4.70
3	Walnut Shell Powder		30 grams
3	Scarlet Mica Powder		.3 grams
			1000g

## Manufacturing Procedure

Phase 1 Add DI Water into Manufacturing Vessel heat to 65-70 degrees C while mixing add Protacide Na3 EDTA then Glycerin 99.5% USP. Slowly add DL Panthenol. Mix until uniform. Then add Pro Aqua ISL. Mix well add Protacide PSP Blend mix until uniform. Then very Slowly Add Protamer Z-10.

Phase 2 Keeping temp. at 67-70 degree C add Cocoa Butter Deo. Then add Protachem ISL mix well. Then add Protachem ISP mix until uniform. Add Protaphos CES-P slowly. Add Walnut Shell Powder.

Phase 3 Add Vitamin E USP mix well add Tea 99% and Scarlet Mica Powder (Pigment) Mix until uniform. Cool down and package into desired units.

*All information contained herein is intended primarily to demonstrate the utility of Protameen Chemical products. Suggestions for uses or applications are only opinions. The user is responsible for determining the suitability of these products for their own particular purpose. We assume no liability in the presentation of this data, nor should this information be constructed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.*



Protameen Chemicals Inc. 375 Minnisink Road Totowa, N.J. 07512 973-256-4374



*Featuring*

# Moisturizing Lip Balm

## Protachem ISP & Proatchem CER

Phase	Trade Name	INCI Name	% WT.
1	Coconut Oil	Cocos Nucifera (Coconut) Oil	57.10
1	Protalan Oil	Lanolin Oil	10.00
2	Beeswax White Refined		25.00
3	Protachem CER	Cetyl Ricinoleate	2.00
3	Protachem ISP	Isostearyl Palmitate	2.25
4	Protaphenone-3	Benzophenone-3/Oxybenzone	1.15
5	Vitamin E Acetate USP	Tocopheryl Acetate	0.3
5	Strawberry Flavor		1.0
5	Strawberry Fragrance		1.0
5	Jjoba Beads		0.2
			100%

## Manufacturing Procedure

- Phase 1 Combine Coconut Oil and Protalan Oil in the manufacturing vessel and heat to 60°-65°C.
- Phase 2 Add Beeswax and mix until the wax is completely melted and the product is uniform.
- Phase 3 Slowly add Protachem CER and Protachem ISP mix until uniform.
- Phase 4 Slowly add Protaphenone 3 and mix until uniform.
- Phase 5 Slowly add Vitamin E Acetate USP, Jjoba Beads and flavor/fragrance. Keep heat at 60-65 degrees C. until uniform. Pour into package and cool.

*All information contained herein is intended primarily to demonstrate the utility of Protameen Chemical products. Suggestions for uses or applications are only opinions. The user is responsible for determining the suitability of these products for their own particular purpose. We assume no liability in the presentation of this data, nor should this information be construed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.*



Protameen Chemicals Inc. 375 Minnisink Road Totowa, N.J. 07512 973-256-4374



# Lip Scrub

*Featuring*

## Protalan Oil & Proatchem CER

Phase	Trade Name	INCI Name	% WT.
1	Coconut Oil	Cocos Nucifera (Coconut) Oil	37.25
1	Protalan Oil	Lanolin Oil	10.00
2	Beeswax White Refined		25.00
3	Protachem CER	Cetyl Ricinoleate	2.00
3	Protachem ISP	Isostearyl Palmitate	2.25
4	Strawberry Flavor		1.00
4	Red Jojoba Beans		1.25
4	Vitamin E Acetate USP		0.25
4	Strawberry Fragrance		1.00
4	Pure Cane Sugar		20.0
			100%

## Manufacturing Procedure

- Phase 1 Combine Coconut Oil and Protalan Oil in the manufacturing vessel and heat to 60°-65°C.
- Phase 2 Add Beeswax and mix until the wax is completely melted and the product is uniform.
- Phase 3 Slowly add Protachem CER and Protachem ISP mix until uniform.
- Phase 4 Slowly add Vitamin E Acetate USP, Jojoba Beads flavor/fragrance and sugar. Keep heat at 60-65 degrees C. until uniform. Pour into package and cool.

*All information contained herein is intended primarily to demonstrate the utility of Protameen Chemical products. Suggestions for uses or applications are only opinions. The user is responsible for determining the suitability of these products for their own particular purpose. We assume no liability in the presentation of this data, nor should this information be construed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.*



Protameen Chemicals Inc. 375 Minnisink Road Totowa, N.J. 07512 973-256-4374



# After Sun Mist

Featuring **ProAqua ISL**

Phase	Trade Name	INCI Name	% WT.
1	DI Water	Water/EAU/Aqua	81.53
1	Protacide Na3 EDTA	Trisodium EDTA	0.10
1	Glycerine 99.5% USP	Glycerine	2.50
2	DL-Panthenol 50%	Panthenol	1.00
2	Protacide PSP Blend	Phenoxyethanol (and) Potassium Sorbate (and) Sodium Benzoate	1.00
3	Protamer LG-1	Acrylates Copolymer	1.00
3	NaOH (20% sln.)	Sodium Hydroxide	1.50
4	Aloe Vera Gel 10X (AG014)	Aloe Barbadensis Leaf Juice	1.00
5	Pro-Aqua ISL (25% sln.) adjust pH to <6.5	Isosearth-200 Linoleate	10.10
5	Citric Acid (20% sln.)	Citric Acid	0.25
6	Blue #1 (1% sln.)	FD&C Blue #1	0.02
			100.00 %

## Manufacturing Procedure

Phase 1 Add DI Water to Manufacturing Vessel while mixing slowly add Protacide Na3 EDTA. Then add glycerin 99.5%, mix well.

Phase 2 Slowly add DL-Panthenol 50% while mixing add Protacide PSP Blend. Mix until uniform.

Phase 3 Slowly add Protamer LG-1 mix until uniform. Add NaOH (20% solution). Mix until uniform.

Phase 4 Slowly add Aloe Vera Gel AG014 mix until uniform.  
Slowly add Pro-Aqua ISL (25% Solution) adjust Ph to <6.5 with Citric Acid (20% Solution).

Phase 5 Add FDC color Blue #1.

Phase 6 Pour the product into desired package.

All information contained herein is intended primarily to demonstrate the utility of Protameen Chemical products. Suggestions for uses or applications are only opinions. The user is responsible for determining the suitability of these products for their own particular purpose. We assume no liability in the presentation of this data, nor should this information be construed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.



Protameen Chemicals Inc. 375 Minnisink Road Totowa, N.J. 07512 973-256-4374



# Shiny Conditioning Shampoo

*Featuring*

**Protachem BSC-B,  
Procol PSA-15 & Protacide DMDM H**

Phase	Trade Name	INCI Name	% WT.
1	Protachem BSC-B		97.20
1	Procol PSA-15		2.0
2	Protacide DMDM H	DMDMH Hydantoin	0.5
3	Citric Acid		0.1
			pH -6.0-6.5
4	Fragrance		0.2
			<b>100%</b>

## Manufacturing Procedure

- Phase 1 Add BSC-B to the manufacturing vessel and initiate agitation. Add PSA-15 and mix.
- Phase 2 Slowly add DMDM H.
- Phase 3 Adjust the pH to 6.0-6.5 with Citric Acid.
- Phase 4 Add fragrance and mix until uniform.

Protachem BSC B

INCI Name: PEG-80 Sorbitan Laurate (and) Sodium Trideceth Sulfate (and) Cocoamidopropyl Betaine

*All information contained herein is intended primarily to demonstrate the utility of Protameen Chemical products. Suggestions for uses or applications are only opinions. The user is responsible for determining the suitability of these products for their own particular purpose. We assume no liability in the presentation of this data, nor should this information be constructed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.*



Protameen Chemicals Inc. 375 Minnisink Road Totowa, N.J. 07512 973-256-4374



# Cream Rinse Conditioner

*Featuring*

**Protaquat ASP & Protachem ISP**

Phase	Trade Name	INCI Name	% WT.
1	DI Water		85.20
1	Glycerin 99.5	Glycerine	4.00
1	Protachem SPCA	Sodium PCA	0.2
2	Cetyl Alcohol		2.00
2	Protachem ISP	Isostearyl Palmitate	2.20
2	Protaquat ASP	Cetearyl Alcohol + Peg 40	5.00
2	Protacide DMDMH	DMDM Hydantoin	0.3
3	DI Water		1.0
3	Fragrance (ws)		0.3
			100%

## Manufacturing Procedure

Phase 1 Mix Phase 1 to 65°C.

Phase 2 Slowly Add Phase 2 .

Phase 3 Keep Temp at 65°C until Phase 3.

Fill and cool to room temperature. (Fill to desired packaging)

*All information contained herein is intended primarily to demonstrate the utility of Protameen Chemical products. Suggestions for uses or applications are only opinions. The user is responsible for determining the suitability of these products for their own particular purpose. We assume no liability in the presentation of this data, nor should this information be construed as granting license to practice any methods or compositions of matter covered by U.S. or foreign patents.*



Protameen Chemicals Inc. 375 Minnisink Road Totowa, N.J. 07512 973-256-4374