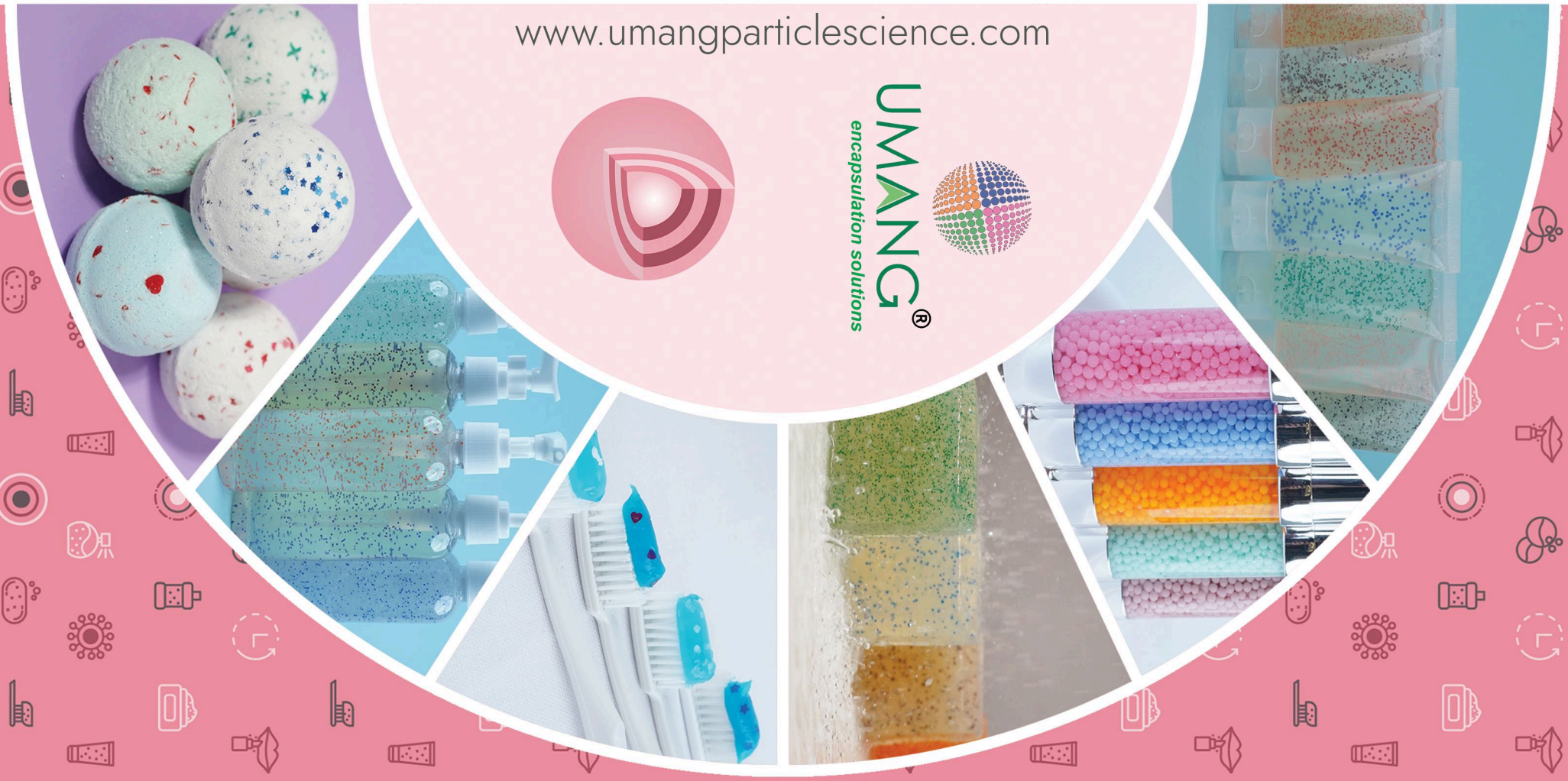
FORMULATION BOOK PERSONAL CARE

V_25_1.6

www.umangparticlescience.com

UMANG®
encapsulation solutions





What is Formulation Book?

A formulation book is a comprehensive guide designed to showcase how our encapsulated ingredients can be effectively integrated into various product formulations. It serves as a visual and technical representation of how these encapsulated ingredients enhance the aesthetics, texture, and functionality of products in various applications. This book helps formulators, product developers, and brands visualize the potential of Umang Particle Science's encapsulated ingredients in their end products, offering inspiration for product innovation and consumer appeal.

Umang Particle Science Pvt. Ltd., a subsidiary of Umang Global Group Pvt. Ltd., has been a leader in the ingredient encapsulation industry since 1982. We specialize in providing innovative encapsulated solutions for a wide range of industries, including personal care, pharmaceuticals, and nutraceuticals. Our cutting-edge technology ensures that our beadlets and spheres deliver enhanced performance and aesthetic appeal in various formulations, helping brands create products that stand out in the market.

TABLE OF CONTENT

01	Facewash with Sprayspheres SC (Dissolving Beads)
02	Gel Scrub with Sprayspheres SE (Exfoliators)
03	Shower Gel with Sprayspheres SC (Dissolving Beads)
04	Shower Gel with Soft Spheres
05	Hyaluronic Acid Serum with Soft Spheres
06	Toothpaste with Sprayspheres SC (Dissolving Beads)
07	Toothpaste with Actifilms (Water Soluable Films)
08	Herbal Toothpaste with Active Beads
09	Soap with Sprayspheres SE (Exfoliators)
10	Soap with Actifilms (Water Dissolving Films)
11	Shampoo with Luster Dust (Shining Pigment)
12	Bath Bombs with Actifilms (Water Dissolving Films)
14	Lip Scrub with Sprayspheres SE (Non Dissolving Beads)
16	Body Butter with Luster Dust (Shining Particles)

Facewash with Sprayspheres SC Beads

Gentle facewash which exhibits good foaming properties, containing spryapsheres sc active beads, providing an overall benefit to the face.

Key Ingredients

Lauryl Glycoside

- Used as a mild surfactant
- Has a good foaming agent that removes dirt and oils from the skin's surface·
- Suitable for sensitive skin types.

Emul 34 U (Acrylate copolymer)

- Rheology modifier.
- Film-forming agent.
- Enhance the texture of formulation.

Sprayspheres SC (Dissolving Beads)

- Removes the dead skin cell.
- Improved skin texture and smoother appearance.
- Promotes Cell Turnover.

Specification (pH: 6.8)

Appearance

Transparent semi-liquid containing actives with colored beads.

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent

1% of Sprayspheress SC Beads Added to The Total Formulation

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Aqua	Aqua	68.05
2	Sodium Gluconate	Sodium Gluconate	0.10
3	Euxyl K 120	Methylchloroisothiazolinone/ Methylisothiazolinone	0.15
4	Emul 340	Acrylates Copolymer	6.70
5	CAPB	Cocamidopropyl Betaine	16.00
6	Lauryl Glucoside	Lauryl Glycoside	3.00
7	Decyl Glucoside	Decyl Glucoside	1.00
8	Sodium Lauryl Sarcosinate	Sodium Lauryl Sarcosinate	2.00
9	Glycerin	Glycerin	2.00
10	Triethanolamine	Triethanolamine	1.00
11	Dissolving Blue Beads	SC-BL-1101-VVS*	2.00

Procedure

1. Begin by precisely measuring the required quantity of water, then add sodium gluconate, followed by Euxyl K120, and place the mixture under a mechanical stirrer.
2. Gradually introduce EMUL 34 while maintaining continuous stirring for 15-20 minutes.
3. Incorporate Cocamidopropyl Betaine (CAPB) dropwise to induce gel formation, then sequentially add lauryl glucoside and decyl glucoside.
4. Integrate glycerin in the specified amount, followed by Triethanolamine (TEA) to stabilize the pH.
5. Conclude the formulation by adding the desired fragrance and stabilizing Sprayspheress SC beads, ensuring thorough mixing for a uniform and homogeneous product.

Facewash with Sprayspheres SC Beads



SC-BL-VE-1101-S



SC-PU-1801-S



SC-GO-VE-1804-S





SC-RE-1207-XS



SC-BK-CH-1753-XXS



SC-GR-1413-S

Dissolving Sprayspheres SC Beads Inside Facewash Formulation

Contact our sales representative for more details about wide range of dissolving beads

Gel Scrub With Spraysheres SE Beads

Gel scrub containing Sprayspheress SE exfoliating beads which remove dead skin cells and promotes smoother and brighter skin.

Key Ingredients

Sodium Gluconate

- It acts as a humectant in gel scrub formulation
- Helps retain moisture in the skin's topmost layer
- Keeps the formulation moist and enhances the shelf life of the product.

Triethanolamine

- It adjusts the pH of the formulation
- Enhances the viscosity of the facewash which provides a desirable texture.
- Helps maintain the stability of the ingredients in the formulation.

Sprayspheres SE (Exfoliators)

- Used as a preservative
- Has antimicrobial property
- It is effective even at lower concentrations.

Specification (pH: 6.8)

Appearance

Transparent gel containing actives with colored beads.

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent

1% of Sprayspheress SC Beads Added to The Total Formulation

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Aqua	Aqua	91.6
2	Sodium Gluconate	Sodium Gluconate	0.10
3	Euxyl K 120	Methylchloroisothiazolinone/ Methylisothiazolinone	0.15
4	Carbopol 940	Carbomer	0.55
5	Glycerin	Glycerin	7.0
6	TEA	Triethanolamine	0.7
7	Non Dissolving Green Beads	SE-GREEN (Code Needed)	1.00

Procedure

1. Begin by precisely measuring the required quantity of water, then add sodium gluconate and glycerin.
2. Introduce Euxyl K120 to the mixture and gently sprinkle Carbopol over the formulation without mixing.
3. Allow this solution to sit undisturbed for 24 hours to enable gel formation. After 24 hours, incorporate Triethanolamine (TEA) gradually until the solution becomes clear.
4. Finally, add the desired fragrance and Sprayspheress SE beads, and stabilize the formulation with thorough stirring to ensure a uniform and homogeneous product.

Gel Scrub With Spraysheres SE Beads



SE-MX-4142-VS



SE-OR-4086-VS



SE-PI-4102-S





SE-BR-4078-VS



SE-GR-4068-VS



SE-BR-WL-4079

Sprayspheres SE Beads & Natural Exfoliators Inside Gel Scrub Formulation

Contact our sales representative for more details about wide range of Exfoliating Beads & Natural Exfoliators

Shower Gel with Sprayspheres SC Beads

A gentle shower gel with excellent foaming properties, featuring SPRYAPSHERES SC (Dissolving active beads), delivering an invigorating and refreshing cleanse while providing overall skin benefits.

Key Ingredients

CAPB (Cocamidopropyl betaine)

- Mild amphoteric surfactant.
- Has a good foaming agent that removes dirt and oils from the skin's surface.
- Suitable for sensitive skin types.

Emul 34 U (Acrylate copolymer)

- Rheology modifier.
- Film-forming agent.
- Enhance the texture of formulation.

Sprayspheres SC (Dissolving Beads)

- Encapsulated active beads.
- Available in various sizes & colors.
- Easily dissolve and releases active on application.

Specification (pH: 5.4)

Appearance

Transparent semi-liquid containing actives with colored Sprayspheres SC beads.

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent

1% of Sprayspheress SC Beads Added to The Total Formulation

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Aqua	Aqua	51
2	Sodium Gluconate	Sodium Gluconate	1.0
3	Euxyl K 120	Methylchloroisothiazolinone/ Methylisothiazolinone	0.20
4	Emul 340	Acrylates Copolymer	6.50
5	CAPB	Cocamidopropyl Betaine	17.00
6	Lauryl Glucoside	Lauryl Glycoside	8.00
7	Decyl Glucoside	Decyl Glucoside	8.00
8	Sodium Lauryl Sarcosinate	Sodium Lauryl Sarcosinate	5.00
9	Glycerin	Glycerin	1-2
10	Triethanolamine	Triethanolamine	0.7-2
11	Fragrance	Fragrance	0.7
12	Dissolving SC Beads	Sprayspheres SC	1-2

Procedure

1. Begin by precisely measuring the required quantity of water, then add sodium gluconate, followed by Euxyl K120, and place the mixture under a mechanical stirrer.
2. Gradually introduce EMUL 34 while maintaining continuous stirring for 15-20 minutes.
3. Incorporate Cocamidopropyl Betaine (CAPB) dropwise to induce gel formation, then, add lauryl glucoside and decyl glucoside sequentially.
4. Integrate glycerin in the specified amount, followed by Triethanolamine (TEA) to stabilize the pH.
5. Conclude the formulation by adding the desired fragrance and stabilizing Sprayspheress SC beads, ensuring thorough mixing for a uniform and homogeneous product.

Shower Gel with Sprayspheres SC Beads



SC-GR-1413-S



SC-GO-1804-S



SC-BL-1103-S





SC-PU-VE-1801-S



SC-BK-CH-1753-S



SC-OR-4086-S

Dissolving Sprayspheres SC Beads Inside Shower Gel Formulation

Contact our sales representative for more details about wide range of Dissolving Beads

Shower Gel with Soft Spheres

A gentle shower gel with rich foam, infused with Softsphere, transforms your shower into a luxurious experience providing a soothing and refreshing cleanse while nourishing and hydrating the skin for a soft, revitalized feel.

Key Ingredients

CAPB (Cocamidopropyl betaine)

- Mild amphoteric surfactant.
- Has a good foaming agent that removes dirt and oils from the skin's surface.
- Suitable for sensitive skin types.

Emul 34 U (Acrylate copolymer)

- Rheology modifier.
- Film-forming agent.
- Enhance the texture of formulation.

Soft Spheres

- Enhances the aesthetic of the product.
- It entraps actives and releases on application.

Specification (pH: 5.5)

Appearance

Transparent semi-liquid containing actives with colored soft spheres.

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent

1-2% of Soft Spheres added to the total formulation

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Aqua	Aqua	51
2	Sodium Gluconate	Sodium Gluconate	0.10
3	Euxyl K 120	Methylchloroisothiazolinone/ Methylisothiazolinone	0.20
4	Emul 340	Acrylates Copolymer	6.50
5	CAPB	Cocamidopropyl Betaine	20.00
6	Lauryl Glucoside	Lauryl Glycoside	8.00
7	Decyl Glucoside	Decyl Glucoside	8.00
8	Sodium Lauryl Sarcosinate	Sodium Lauryl Sarcosinate	4.00
9	Glycerin	Glycerin	1-2
10	Triethanolamine	Triethanolamine	0-7-2
11	Fragrance	Fragrance	0.7
12	Soft Spheres	Softspheres	1-2

Procedure

1. Begin by precisely measuring the required quantity of water, then add sodium gluconate, followed by Euxyl K120, and place the mixture under a mechanical stirrer.

2. Gradually introduce EMUL 34 while maintaining continuous stirring for 15-20 minutes.

3. Incorporate Cocamidopropyl Betaine (CAPB) dropwise to induce gel formation, then, add lauryl glucoside and decyl glucoside sequentially.

4. Integrate glycerin in the specified amount, followed by Triethanolamine (TEA) to stabilize the pH.

5. Conclude the formulation by adding the desired fragrance and stabilizing Softsphere, ensuring thorough mixing for a uniform and homogeneous product.

Shower Gel with Soft Spheres



SA-RE-4043-M



SA-PI-5570-M





SA-PI-1602-VS



SA-GR-092-M

Soft Spheres Inside Formulation

Contact our sales representative for more details about wide range of Soft Spheres

Hydrating Serum (Hyaluronic Acid) Serum With Soft Spheres

This hydrating serum contains 2% hyaluronic acid, and its soft spheres have a smooth, soft texture, providing the skin with radiance and beauty.

Key Ingredients

Hyaluronic Acid

- Used as an active ingredient in the formulation
- Hydrates the skin and provides a smooth texture
- Has anti-aging properties

Vitamin C

- Used as an antioxidant
- Promotes collagen production
- Protects against sun damage

Soft Spheres

- Provides a smooth texture to the skin
- Boosts the visual appearance of the overall formulation
- Can be provided in different sizes.

Specification (pH: 5.4)

Appearance

Transparent semi-liquid containing actives with colored soft spheres.

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent

Table No. 1

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Aqua	Aqua	96.1
2	Hyaluronic Acid	Sodium Hyaluronate	2.0
3	Euxyl K 120	Methylchloroisothiazolinone/ Methylisothiazolinone	0.40
4	Vitamin C	Ascorbic Acid	1.0
5	Soft Spheres	Soft Spheres	Refer Table No. 2
6	Glycerin	Glycerin	0.5

Table No. 2

Sr. No	Ingredient Name	Qty in %
1	Hyaluronic Acid Serum 2%	17.65
2	Soft Spheres	82.35

Procedure

1. In a beaker, take the required amount of distilled water and add measured quantity of preservative (Euxyl k 120) to the solution
2. Stir well using a stirrer
3. Add measured quantity of vitamin C to the formulation and add a measured amount of glycerin
4. Sprinkle hyaluronic acid over the solution and let it sit for 24 hours until hyaluronic acid gets dissolved in the solution
5. Stabilize soft spheres in the total batch of serum formulation
6. Adjust the texture of the serum by adding water if required

Hyaluronic Acid 2% Serum With Soft Spheres



SA-BL-141-M

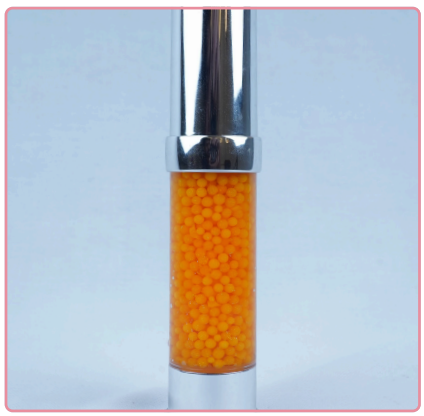


SA-GR-091-M



SA-PU-129-M





SA-OR-5503-S



SA-PI-5570-S



SA-PI-1602-VS

Soft Spheres Inside Serum Formulation

Contact our sales representative for more details about wide range of Soft Spheres

Toothpaste with Sprayspheres SC

This toothpaste with sprayspheres sc beads effectively cleans and provides benefits by combining gentle abrasives with humectants. SPRAYSPHERESS SC beads containing different actives, which provides benefits. It ensures a smooth application and helps remove plaque and stains while keeping your mouth fresh.

Key Ingredients

Calcium Carbonate

- It is used as an abrasive
- Helps clean teeth and remove stains
- Helps reduce tooth decay

Glycerin

- It is used as a humectant that prevents toothpaste from drying out
- Prevents dryness in the mouth
- Reduces bacterial activity

Sprayspheres SC (Dissolving Beads)

- Actives are released upon rubbing, delivering benefits.
- Available in various sizes, colors, and active agents.
- Enhances the formulation's visual appearance.

Specification (pH: 8.5)

Appearance

White-colored toothpaste containing Sprayspheres SC Beads.

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

White-colored toothpaste

Sprayspheres SC Beads added to the total formulation

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Aqua	Aqua	14.0
2	Sorbitol	Sorbitol	23.0
3	Sodium Lauryl Sulfate	Sodium Lauryl Sulfate	2.0
4	Methyl Paraben	Methyl Paraben	1.25
5	Sodium Saccharin	Sodim Saccharin	0.2
6	Glycerin	Glycerin	14.0
7	Calcium Carbonate	Calcium Carbonate	43.0
8	Titanium Dioxide	Titanium Dioxide (CI 77891)	0.25
9	Silicon Dioxide	Silica	5.0
10	Sodium Carboxymethyl Cellulose	Sodium Carboxymethyl Cellulose	0.2
11	Sprayspheres SC	Sprayspheres SC	Refer to Table No. 2

Table No. 2

Sr. No	Ingredient Name	Qty in %
1	Toothpaste	83.34
2	Sprayspheres SC Beads (Containing Actives)	16.66

Procedure

1. For the preparation of Toothpaste, dry gum method is used
2. Weigh all the dry solid ingredients according to the quantity provided
3. In a different beaker, weigh water glycerin
4. Add all the dry solid ingredients in a mortar
5. Grind the ingredients with the help of a pestle
6. Add the liquid-phased ingredients, i.e., water and glycerin, to the mortar and grind it until it forms a thick paste-like texture
7. Check the appearance and pH of the paste
8. Then add SPRAYSPHERESS SC BEADS containing actives into the toothpaste according to the measured quantity.

Toothpaste with Sprayspheres SC Beads





SC-GR-1413-S



SC-PU-1801-S



SC-BK-CH-1753-XXS

Dissolving Beads Inside Toothpaste Forumulation

Contact our sales representative for more details about wide range of Dissolving Beads

Toothpaste with Actifilms™

Gel toothpaste with our ACTIFILMS™, (available in different sizes and colors) that boost the visual appeal and enhance the overall benefits, making your daily routine more enjoyable and effective.

Key Ingredients

Sorbitol

- Acts as a humectant
- It also provides sweetness to the formulation
- It also enhances the flavor of the toothpaste

Hydrated Silica

- It is used as an abrasive
- Helps remove stains and whitens the teeth
- Improves the consistency of toothpaste

Actifilms™

- HPMC-based thin film that dissolves when applied.
- Available in different shapes and colors
- Improves the visual appeal of the product

Specification (pH: 6.9-7.1)

Appearance

Transparent gel toothpaste with colored films

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent gel toothpaste

Actifilms added to the total formulation

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Sorbitol	Sorbitol	66.0
2	Water	Aqua	QS
3	Sodium Saccharin	Sodium Saccharin	0.3
4	Sodium Carboxymethylcellulose	Cellulose Gum	0.9
5	Polyethylene Glycol-600	PEG-600	2.0
6	Hydrated Silica	Hydrated Silica	18.0
7	Sodium Lauryl Sulfate	Sodium Lauryl Sulfate	1.0
8	Menthol	Menthol	0.5
9	Actifilms	Actifilms	0.5

Procedure

1. Add water and sorbitol to the mixer
2. Add sodium saccharin and mix at 600 rpm for 10 mins
3. In another beaker disperse Sodium CMC and PEG-600 and add to the above mixture under continuous agitation, Mix this mixture for 15 mins at 100 rpm
4. Add silica with no vacuum, and mix for 20 mins at 100rpm
5. Add sodium lauryl sulfate to the mixture with no vacuum, mix for 5 mins at 50rpm
6. Add menthol to the mixture under vacuum
7. Add a measured amount of ACTIFILMS to the mixture

Toothpaste With Actifilms™





AF-BE-GO-4222



AF-SF-SI-4038



AF-CN-RE-4104

Dissolving Beads Inside Toothpaste Forumulation

Contact our sales representative for more details about wide range of Actifilms™

Herbal Toothpaste with Active Beads

Herbal toothpaste with natural extract beads for enhanced oral care benefits providing cleaner, healthier teeth and gums. On application the beads release their beneficial properties, enhancing the overall experience of the toothpaste

Key Ingredients

Calcium carbonate

- It is used as an abrasive
- Helps clean teeth and remove stains
- Helps reduce tooth decay

Sorbitol

- Used as a sweetener
- It acts as a humectant
- Is a stabilizer

Active Beads

- Releases its actives on application
- Available in different sizes, colors, etc.
- Enhances the visual appearance of the overall product

Specification (pH: 7.0 to 8.0)

Appearance

Light green color herbal toothpaste with active beads

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Light green color herbal toothpaste

Active Beads Added to the Total Formulation

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Fenugreek powder	Trigonella Foenum-Graecum Seed Powder	1.5
2	Neem powder	Azadirachta Indica Leaf Powder	0.1
3	Aloe vera gel	Aloe Barbadensis Leaf Juice	6.0
4	Ginseng powder	Panax Ginseng Root Powder	0.1
5	Calcium carbonate	Calcium carbonate	41.0
6	Sodium fluoride	Sodium fluoride	0.9
7	Sodium lauryl sulphate	Sodium lauryl sulphate	2.0
8	Sodium carboxymethyl cellulose	Sodium carboxymethyl cellulose	1.8
9	Sodium benzoate	Sodium benzoate	0.3
10	Sodium saccharin	Sodium saccharin	0.2
11	Menthol	Menthol	0.5
12	Sorbitol	Sorbitol	45.0
13	Tulsi oil	Ocimum sanctum leaf oil	0.5
14	Purified water	Purified water	q.s.

Procedure

1. Weigh all the ingredients
2. Add all the solid ingredients in one mortar and triturate/ mix with the help of the pastel
3. Add the Weighted liquid ingredients into the mortar mix for 10-15 mins until it forms a paste-like structure then add preservative.
4. Cover the mortar with aluminum foil and let it sit for 20 mins
5. After 20 mins check the viscosity and transfer it into respective containers.

Herbal Toothpaste with Active Beads





SC-BG-MIS-0002-S



SC-WH-CLO-0003-S



SC-GR-NEEM-254-M

Dissolving Beads Inside Herbal Toothpaste Forumulation

Contact our sales representative for more details about wide range of Dissolving Beads

Soap for Exfoliation

Glycerin-based soap with exfoliating beads (spray sphere SE) effectively Exfoliates dead skin while maintaining moisture levels with the help of glycerin.

Key Ingredients

Glycerin

- Used as a humectant
- Highly effective in preventing dryness and maintaining skin hydration.
- Suitable for sensitive skin types

Stearic Acid

- Act as an emulsifier
- Contributes to the hardness of the soap.
- Helps to create a smooth and consistent texture in the soap.

Sprayspheres SE (Exfoliators)

- Removes the dead skin cell.
- Improved skin texture and smoother appearance.
- Promotes Cell Turnover.

Specification (pH: 7-8)

Appearance

Transparent soap containing Exfoliating beads (Sprayspheress SE)

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent

1-2% of Exfoliating Beads (Sprayspheress SE) Added to Formulation (100g)

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Stearic Acid	Octadecanoic Acid	9.0
2	Coconut Oil	Cocos Nucifera	14.0
3	Sodium hydroxide (NaOH)	Sodium hydroxide	5.0
4	Glycerin	Glycerol	5.0
5	Water	Aqua	5.0
6	Alcohol	Ethyl Alcohol	19.0
7	Propylene Glycol	Propylene Glycol	16.0
8	Glycerin	Glycerol	11.0
9	Sorbitol Solution	Sorbitol	13.0
10	EDTA	Ethylenediaminetetraacetic Acid	2.0
11	Sodium Lauryl Sulphate	Sodium Lauryl Sulfate	1.5
12	TEA	Triethanolamine	0.5
13	Citric Acid	Citric Acid	0.1-0.2
14	Sprayspheres SE Beads (Exfoliating Bead)	Sprayspheres SE Beads (Exfoliating Bead)	1-2

Procedure

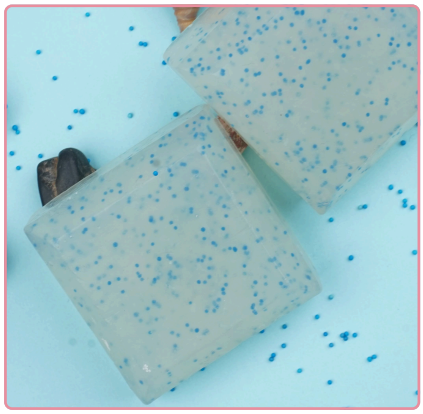
- Heat Stearic acid and coconut oil to 220F/102 C.
- Following all safety protocols, mix sodium hydroxide (NaOH) in water, and glycerin, then add EDTA and stir it.
- Combine the hot Lye solution in the hot oil and stir until saponification is complete. Place it for 2 minutes.
- Heat glycerin + propylene glycol at 105°C in another beaker, then heat alcohol at 65°C.
- Add glycerin, propylene glycol, and alcohol to the solution mix thoroughly.
- Prepare a sorbitol solution by mixing sorbitol powder with water, then adding SLS and TEA.
- This sorbitol solution is added to the above mixture and stir slowly until the temperature reaches 40 °C.
- Then, add the fragrance and exfoliating beads (spray spheres SE).
- Pour it into the mold and place it until the soap has hardened completely.

Soap for Exfoliation with Exfoliating Beads





SE-BR-4074-S



SE-BL-1103-S



SE-GR-4061-S

Exfoliating Sprayspheres SE Beads Inside Soaps Formulation

Contact our sales representative for more details about wide range of Exfoliating Beads

Soap with Actifilms™ (Water Dissolving Film Shapes)

Glycerin-based soap with ActifilmTM (HPMC-based thin films in different shapes) enhances the sensory experience and delivers skin benefits by trapping active ingredients.

Key Ingredients

Glycerin

- Used as a humectant
- Highly effective in preventing dryness and maintaining skin hydration.
- Suitable for sensitive skin types

Stearic Acid

- Act as an emulsifier
- Contributes to the hardness of the soap.
- Helps to create a smooth and consistent texture in the soap.

Actifilms™

- HPMC-based thin film that dissolves under when applied.
- Available in different shapes and colors
- Improves the visual appeal of the product

Specification (pH: 7-8)

Appearance

Transparent soap containing Actifilms (Water Dissolving Films).

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent

2-3 % of Actifilms were Added to the Total Formulation (100g)

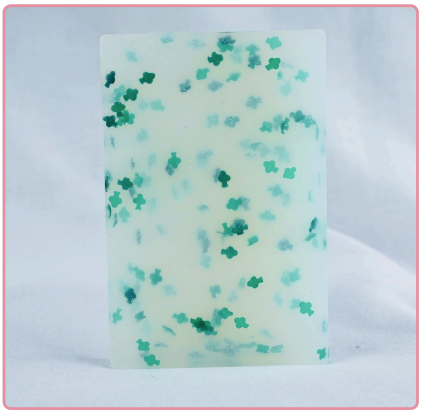
Sr. No	Ingredient Name	Inci Name	Qty in %
1	Stearic Acid	Octadecanoic Acid	9.0
2	Coconut Oil	Cocos Nucifera	14.0
3	Sodium hydroxide (NaOH)	Sodium hydroxide	5.0
4	Glycerin	Glycerol	5.0
5	Water	Aqua	5.0
6	Alcohol	Ethyl Alcohol	19.0
7	Propylene Glycol	Propylene Glycol	16.0
8	Glycerin	Glycerol	11.0
9	Sorbitol Solution	Sorbitol	13.0
10	EDTA	Ethylenediaminetetraacetic Acid	2.0
11	Sodium Lauryl Sulphate	Sodium Lauryl Sulfate	1.5
12	TEA	Triethanolamine	0.5
13	Citric Acid	Citric Acid	0.1-0.2
14	Actifilms	Actifilms	2-3

Procedure

- Heat Stearic acid and coconut oil to 220F/102 C.
- Following all safety protocols, mix sodium hydroxide (NaOH) in water, and glycerin, then add EDTA and stir it.
- Combine the hot Lye solution in the hot oil and stir until saponification is complete. Place it for 2 minutes.
- Heat glycerin + propylene glycol at 105°C in another beaker, then heat alcohol at 65°C.
- Add glycerin, propylene glycol, and alcohol to the solution mix thoroughly.
- Prepare a sorbitol solution by mixing sorbitol powder with water, then adding SLS and TEA.
- This sorbitol solution is added to the above mixture and stir slowly until the temperature reaches 40 °C.
- Then, add the fragrance and ActifilmsTM.
- Pour it into the mold and place it until the soap has hardened completely.

Soap with Actifilms™ (Water Dissolving Film Shapes)





AF-TR-GR-4067



AF-HE-RE-4031



AF-ST-GO-4002

Water Dissolving Films 'Actifilms' Inside Soap Formulation

Contact our sales representative for more details about wide range of Actifilms.

Shampoo with Luster Dust™

A transparent shampoo that gently cleanses your hair, infused with LUSTER DUST™ to give it a shiny, sparkling appearance.

Key Ingredients

Luster Dust™

- Enhances the aesthetics of shampoo
- Gives a radiant, eye-catching appearance

CAPB

- Foam booster
- Helps remove dirt, oil, and impurities

Polyquaternium-7

- Conditioning and detangling properties
- Improve Hair Manageability

Specification (pH: 5.5-6.5)

Appearance

Thick transparent viscous preparation with Luster Dust™

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Transparent

0.2-0.5% of Luster Dust™ was added to the total formulation (100g)

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Water	Aqua	73
2	Sodium gluconate	Sodium gluconate	0.1
3	Euxyl K 120	Methylisothiazolinone	0.15
4	Glycerin	Glycerin	1.0
5	CAPB	Cocamidopropyl Betaine	11.0
6	Decyl glucoside	Decyl glucoside	5.0
7	SLS	Sodium Lauryl Sulfate	2.0
8	PQ-7	Polyquaternium-7	2.0
9	PEG-150 Distearate	PEG-150 Distearate	1.5
10	CMC Sodium Salt	Carboxymethyl Cellulose	1.5
11	PEG	Polyethylene Glycol	2.0
12	TEA	Triethanolamine	q.s.
13	Luster Dust™	Luster Dust™	0.2 - 0.5%

Procedure

Water Phase:

- In a beaker, take the required quantity of water and sequentially add sodium gluconate, Euxyl K 120, glycerin and Nacl mix well after each addition and then heat the mixture to 70-80°C.

Oil Phase:

- In a separate beaker, combine CAPB, decyl glucoside, SLS, EDTA and PEG-150. Heat this mixture to 70-80°C.
- Heat both phases separately, then gradually mix the oil phase into the water phase with gentle stirring. Dissolve CMC and PEG in a separate beaker, then add to the solution, stirring thoroughly to avoid lumps.
- As the mixture cools to approximately 40°C, add Polyquaternium-7, fragrance, and adjust the pH with triethanolamine. Add LUSTER DUST™ and stir well before transferring the shampoo in container.

Shampoo with Luster Dust™





LD-PU-8121



LD-NPI-8101



LD-BL-12648

Shining Dust Particles Inside Shampoo Formulation

Contact our sales representative for more details about wide range of Luster Dust™.

Bath Bomb with Actifilms™

A bath bomb containing Actifilm™ that fizzes and dissolves in water, releasing actifilm, a thin film in various shapes and colors with delightful fragrances that enhance the overall sensory experience. It transforms a typical bath into a relaxing and luxurious experience.

Key Ingredients

Sodium bicarbonate

- Produce fizzing effect and foam
- It helps to soften clean and soothe the skin

Actifilms™

- Enhances sensory experience
- Disappear on rubbing and release active
- Available in different shapes and colors.

Fragrance Oil

- Enhances mood and promotes relaxation through soothing scents.

Specification (pH: 6.80)

Appearance

Round-shaped bath bomb containing Actifilm™

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

White

2-3% of Actifilms™ were added to the total Formulation (100g)

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Sodium Bicarbonate	Sodium Bicarbonate	50.0
2	Citric Acid	Citric Acid	30.0
3	Corn Starch	Zea Mays (Corn) Starch	12.0
4	Tween 80	Polysorbate 80	4.0
5	Coconut Oil	Cocos Nucifera Oil	3.0
6	Fragrance	Fragrance	1.5
7	Water	Aqua	2.0
8	Actifilm™	Actifilm™	3-4%

Procedure

1. Weigh the powdered ingredients in a bowl, including sodium bicarbonate, citric acid, and corn starch.
2. Mix the ingredients until fully combined, then add ActifilmTM and mix thoroughly.
3. In a separate beaker, combine coconut oil, tween 80, and fragrance oil, and stir until dissolved properly.
4. Gradually pour the liquid into the dry mixture, continuously stirring. Add a measured amount of water and mix continuously until it is well mixed.
5. Pour the mixture tightly into your mold, for a two-part mold, slightly overfill each half and press them together firmly.
6. Allow the bath bomb to set for 2 hours, then gently tap the mold and remove the bath bomb from it.

Bath Bomb with Actifilms











AF-HE-RE-4031



AF-ST-BL-4052



AF-CR-GR-4068

Actifilms™ inside Bath Bombs

Contact our sales representative for more details about wide range of Actifilms™

Lip Scrub with Sprayspheres SE

Lip scrub containing biodegradable exfoliator (Sprayspheres SE) that gently removes dry, flaky skin leaving lips smooth and soft. Enriched with hydrating oils or butter that keeps lips nourished and moisturized.

Key Ingredients

Biodegradable exfoliator

- Gently removes dead skin cell
- Improved skin texture and smoother appearance.

Shea Butter

- Provide deep moisturization and nourishment
- Smoothening and softening effect

Jojoba Oil

- An excellent emollient
- Soothes and nourishes dry or chapped lips

Specification (pH: 4.80)

Appearance

White soft solid containing natural exfoliator

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

White

50% of sugar exfoliators were added to the total formulation (100g)

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Exfoliator	Exfoliator	45.0
2	Shea Butter	Butyrospermum parkii butter	13.0
3	Coconut oil	Cocoa nucifera	10.0
4	Vitamin E	Tocopherol	5.0
5	Beeswax	Cera Alba	7.5
6	Almond oil	Prunus Amygdalus Dulcis Oil	10.0
7	Jojoba Oil	Simmondsia Chinensis Oil	9.5
8	Flavor	Flavor	q.s.

Procedure

1. Accurately weigh all the ingredients, including shea butter, beeswax, sugar exfoliator, and oils.
2. In a beaker, melt the shea butter and beeswax using a double boiler, stirring continuously until fully liquefied.
3. Add coconut oil, almond oil, and jojoba oil at 40°C, and allow the mixture to cool slightly while ensuring it remains in liquid form.
4. Next, incorporate Vitamin E, the exfoliator, and flavor, mixing thoroughly until the mixture reaches the wax phase.
5. Finally, pour the prepared scrub into a clean, dry container and let it cool and solidify at room temperature.



Lip Scrub with Sprayspheres SE



SE-WH-SUG-4122-VVS

Sprayspheres SE (Exfoliators) inside Lip Scrub

Contact our sales representative for more details about wide range of Sprayspheres SE

Body Butter with Luster Dust™

Body butter with luster dust (body glitters) moisturizes and softens the skin which also provides nourishment. The glitter provides shimmer effect which enhances the products' overall appeal.

Key Ingredients

Shea Butter

- Moisturizes and softens the skin
- Provides long-lasting hydration
- Has anti-inflammatory properties

Coconut Oil

- Nourishes and repairs dry and damaged skin
- Has antimicrobial properties
- Improvs skin texture and hydration

Luster Dust™

- They are used to enhance the visual appeal of the product
- Provides the skin with glow
- Colors used are cosmetically approved and safe to use.

Specification (pH: 5.74)

Appearance

Colored soft body butter with different colored luster dust

Formulation Developed By

Umang Global Group Pvt. Ltd.

Formulation Color

Available in different colors

0.2 - 0.5% of Luster Dust™ were added to the total formulation (100g)

Sr. No	Ingredient Name	Inci Name	Qty in %
1	Shea Butter	Butyrospermum Parkii (Shea) Butter	47.75
2	Coconut Oil	Cocos Nucifera (Coconut) Oil	22.0
3	Cocoa Butter	Theobroma Cacao (Cocoa) Seed Butter	10.0
4	Jojoba Oil	Simmondsia Chinensis (Jojoba) Seed Oil	15.0
5	Neem Powder	Azadirachtade41 Indica Leaf Powder	3.0
6	Vitamin E	Tocopherol	1.0
7	Fragrance	(Perfume)	0.5
8	Luster dust	-	0.5
9	Color	-	0.25

Procedure

1. Melt shea butter and cocoa butter in a water bath
2. Add coconut and jojoba oil to the melted butter while warm
3. Cover the mixture with foil and freeze for 20-25 mins, then mix until creamy
4. Add the remaining coconut oil and jojoba oil for texture mix it and refreeze if necessary
5. Add vitamin E, neem powder and fragrance
6. Separate the body butter into 2 parts, mix in the luster dust and add colors
7. Ensure the pH is within 4.7-5.75



Body Butter with Luster Dust™





LD-PU-8121



LD-NPI-8101



LD-GR-12646

Shining Dust Particles Inside Body Butter Formulation

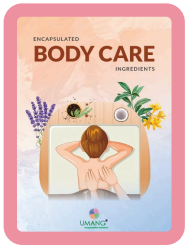
Contact our sales representative for more details about wide range of Luster Dust

Have a look at our ingredient books and discover a world of possibilities for enhancing your products with our encapsulation solutions.

Contact us to order our book



Oral Care



Body Care



Face Care

PERSONAL CARE

NUTRACEUTICAL

ENGINEERING

FOOD & BEVERAGES

PHARMACEUTICALS

To Order Product Samples or To Become Our Distributor
Contact Us On.
+91-95183 49129 / info@umangglobal.com

VISITING CARD

UMANG®
encapsulation solutions

CELEBRATING 44 YEARS IN ENCAPSULATION

UMANG PARTICLE SCIENCE PVT. LTD.

Head Office Address:
Unit 1, Unit 2, 2nd Floor, Vicino (Mega Mall),
New Link Road, Oshiwara, Andheri (West),
Mumbai, Maharashtra 400102.

UK Office Address:
Bramleys, Bath Road, Sturminster
Newton, Dorset, Dt10 1eb,
United Kingdom.

Contact us on:

+91-95183 49129 info@umangglobal.com
www.umangparticlescience.com