



Veil
wrinkles

reveal your beauty

AuraSphere™

Penstia™ Powder

AuraSphere™ N

AuraSphere™ S

AuraSphere™ A

 **CENTERCHEM, INC.**

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What is AuraSphere™?

AuraSphere™ is a line of unique proprietary skin care ingredients built around the platform technology of Penstia™ Powder, a polymeric low micron particle. The AuraSphere™ product line consists of three commercial materials: AuraSphere™ N, AuraSphere™ S, and AuraSphere™ A. Each complex contains a different combination of particles incorporated into an emollient base providing instant visual results, an attractive sensory feel, and textural benefits.

AuraSphere™ Features

- Instant optical blurring of lines, wrinkles, and pores
- Mitigates the appearance of uneven skin tone
- Powder, aqueous, & anhydrous compatible options
- Enhanced feel, reduced tackiness, & quick absorption
- Easily emulsified
- Compatible with organic esters and solvents
- Cyclomethicone-free
- Globally accepted

AuraSphere™ Applications

- Skin care/treatments
- Color cosmetics
- Lip care
- Hair care
- Sunscreens
- Antiperspirants

Penstia™ Powder

INCI Name: Adipic Acid, Neopentyl Glycol Crosspolymer

Penstia™ Powder is a polymer that imparts a silky, creamy feel to the finished product. It is a highly branched and terminated polyol crosslinked with a functional silicone, which provides elasticity and flexibility.



"The 3-20μ Penstia™ Powder particles 'roll' rather than 'drag', adding exceptional slip to any formulation."

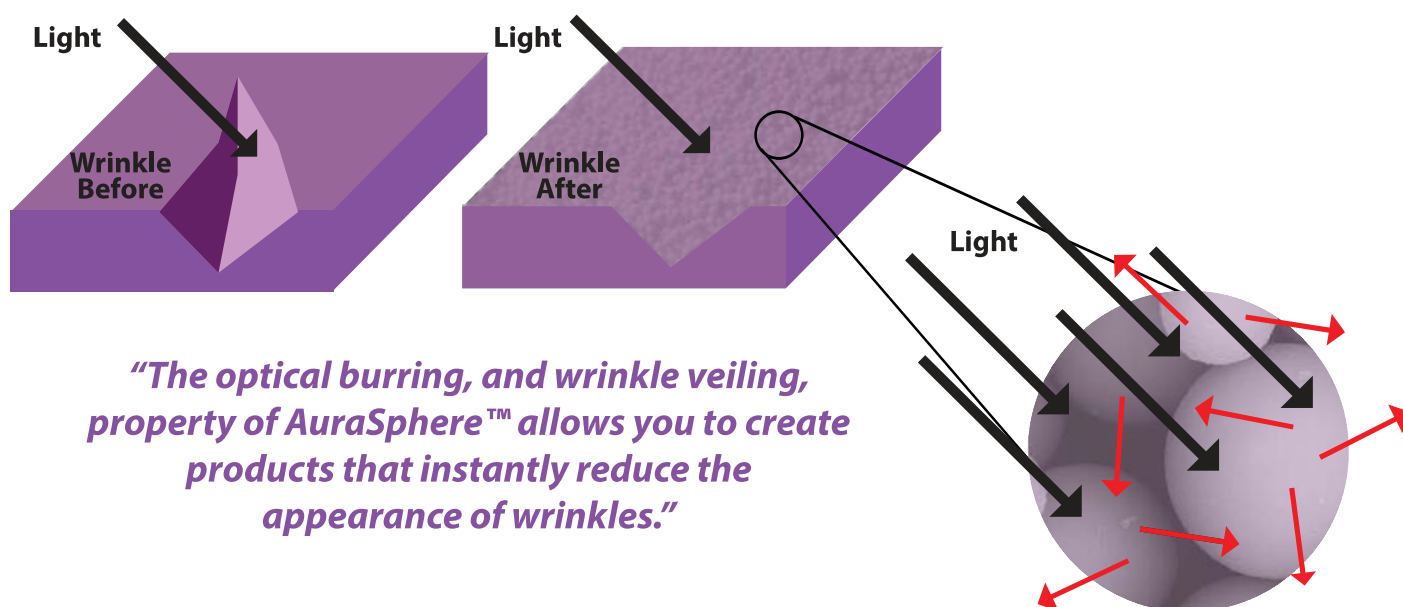
The particles of Penstia™ Powder are porous spheres that allow for high oil loading, which is for active entrapment, stabilization, and sebum absorption. The chemical composition of Penstia™ Powder gives it dry binding properties, resulting in improved formula stability and reduced tackiness.

AuraSphere™ N

INCI Name: Adipic Acid/Neopentyl Glycol Crosspolymer, Water, Amodimethicone, Dimethicone, Hydroxypropyl Methylcellulose, VP/VA Copolymer

AuraSphere™ N is an aqueous AuraSphere™ complex developed from the technology behind Penstia™ Powder. The technology provides unique visual and tactile properties. When used alone or in a formulation, AuraSphere™ N works to instantly minimize the appearance of lines and wrinkles, while providing a soft, comfortable film. When applied to the skin, a matte finish is immediately noticeable. The result is a smooth, silky film, which makes the skin appear virtually free of fine lines. AuraSphere™ N's small particle size, 0.5-6 μ , provides an even, natural coverage, with a light feel.

AuraSphere™ optically scatters light, veiling wrinkles!



AuraSphere™ S

INCI Name: Adipic Acid/Neopentyl Glycol Crosspolymer, Water, Amodimethicone, Dimethicone, Hydroxypropyl Methylcellulose, VP/VA Copolymer

AuraSphere™ S (Suspension) possesses the same visual and tactile properties of AuraSphere™ N, while providing a larger particle size of 4-12 μ . When used alone, or in combination with other AuraSphere™ ingredients, AuraSphere™ S gives you the ability to maximize benefits by varying particle sizes.

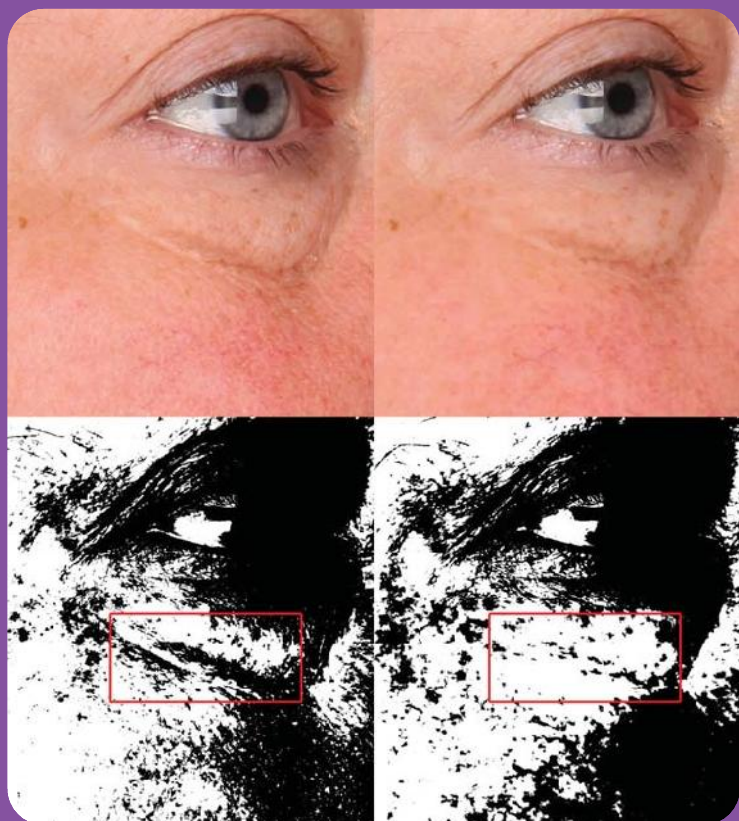


AuraSphere A™

INCI Name: Isododecane, Adipic Acid/Neopentyl Glycol Crosspolymer, Lauryl Dimethicone, Hydrogenated Polyisobutene

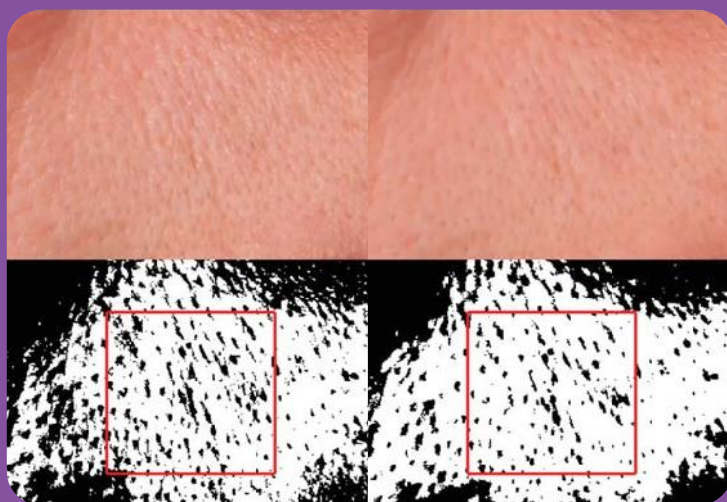
AuraSphere™ A (Anhydrous) is an anhydrous AuraSphere™ complex. The particles in AuraSphere™ A, are dispersed in a moisturizing gel base. In addition to line blurring and wrinkle filling properties, this unique ingredient imparts long wearing properties, a novel sensory feel, and a silicone cushion to your products without the use of cyclomethicone.

AuraSphere™ A acts as a thickening agent for improved product stability and suspension capability. During application, AuraSphere™ A enhances product spreadability in conjunction with a dry smoothness and a light, non-greasy skin feel. A soft, powdery, tack-free feel remains for an extended period of time. AuraSphere™ A is an ideal dispersion medium, as it imparts an exceptionally silky and luxurious cushion with a short playtime.



57.67% Wrinkle Reduction
(formulation with 20% AuraSphere™ N)

"AuraSphere™ clinically reduces wrinkle and pore size instantly!"



39.32% Pore Reduction
(formulation with 5% AuraSphere™ N)

Sample Formulation

Veiling Cream with AuraSphere™ N Formula#: 1236-1

<u>Phase A</u>	<u>%W/W</u>
Water	49.15
Disodium EDTA	0.10
Ammonium Acryloyldimethyltaurate/VP Copolymer	1.75
 <u>Phase B</u>	 <u>%W/W</u>
Butylene Glycol	3.00
¹ HYBRIDUR® 875 POLYMER	5.00
 <u>Phase C</u>	 <u>%W/W</u>
² NEOSSANCE™ SQUALANE	5.00
Myristyl Myristate	1.00
Cetearyl Alcohol & Ceteth 20	3.00
 <u>Phase D</u>	 <u>%W/W</u>
³ DIOWGEL™ 600	6.00
³ DIOWGEL™ 6413	2.00
Dimethicone	3.00
³ AURASPHERE™ N	20.00
³ DIOCIDE™	0.70

¹Manufactured by Air Products and Chemicals, Inc., North American Distributor: Centerchem, Inc.

²Manufactured by Amyris, Inc., Exclusive USA & Canadian Distributor: Centerchem, Inc.

³Centerchem, Inc.

Procedure:

1. In the main vessel, combine Phase A and mix until uniform.
2. Add Phase B ingredients into the main vessel. Mix until uniform and begin heating to 75-80°C.
3. Combine Phase C in a separate vessel and heat to 75-80°C.
4. Add Phase C to the main vessel with moderate mixing. Mix for 10 minutes. Homogenize briefly, then begin cooldown.
5. At 40°C, add Phase D ingredients one at a time. Mix until uniform between additions.
6. After all of Phase D has been added, Homogenize briefly. Sweep mix and continue to cooldown to RT.

Ref. 1236-1

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