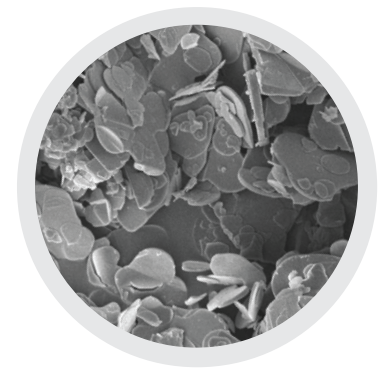


# CARESS<sup>®</sup> Boron Nitride

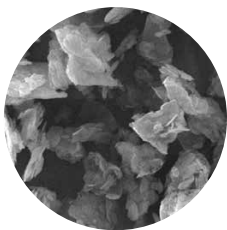


**CARESS<sup>®</sup> BN** is a line of cosmetic Boron Nitride (BN) manufactured in ISO 9001 certified facilities matching the international requirements of the personal care industry. These BN powders are manufactured with premium technology resulting in high purity and quality products. The synthetic nature of these products minimizes the level of impurities in particular heavy metals.

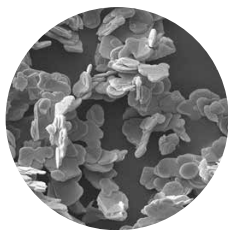
**CARESS<sup>®</sup> BN** powders offer unique properties in comparison to other fillers and texturizers (such as Mica,

PMMA, Bismuth Oxychloride, Talc and Nylon 12) in the areas of spreadability, skin adherence, degree of skin coverage, softness, and payoff.

The **CARESS<sup>®</sup> BN** series is available in a broad range of particle sizes contributing to diverse optical appearance (from opaque to translucent), tactility, softness and excellent skin adherence. They provide cosmetic formulations with a very soft and silky touch, and appearance from matte to shiny.



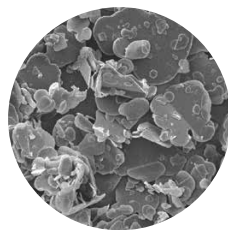
CARESS<sup>®</sup> BN02



CARESS<sup>®</sup> BN06



CARESS<sup>®</sup> BN18



CARESS<sup>®</sup> BN30

## CARESS<sup>®</sup> BN powder properties:

- Superior softness and tactility
- Superb spreadability
- Excellent adherence
- Good coverage
- Long lasting effect
- High oil absorption
- Soft focus effect especially smaller particle size grades

BN is excellent for enhanced feel in pressed powders and the product offers improved compressibility. BN will also give a creamy texture to eyeshadow. When used in lipsticks, BN helps to reduce tack and improve wear while offering lubricating properties which help to improve the mold release of the stick.

All **CARESS<sup>®</sup>** Boron Nitride products are available with various hydrophobic surface treatments, including Isopropyl Titanium Triisostearate (ITT) and Triethoxycaprylylsilane (11S). Surface treatments are excellent for enhancing flow, dispersion, wear and appearance.

### Recommended Applications

- Emulsions
- Anhydrous Gels
- Hot Pours
- Pressed/Loose Powders

| Product                  | Mean Crystal/<br>Particle Size<br>(µm) | Specific<br>Surface Area<br>(m <sup>2</sup> /g) | Oil<br>Absorption*<br>(g/100g) | Appearance                    |
|--------------------------|--|---|--------------------------------|-------------------------------|
| CARESS <sup>®</sup> BN02 | 2                                      | 15  | 96                             | Very white/high hiding powder |
| CARESS <sup>®</sup> BN06 | 6                                      | 10  | 110                            | Opaque                        |
| CARESS <sup>®</sup> BN09 | 9                                      | 10  | 97                             | Opaque                        |
| CARESS <sup>®</sup> BN12 | 12                                     | 2   | 88                             | Translucent                   |
| CARESS <sup>®</sup> BN15 | 15                                     | 1.5   | 90                             | Translucent                   |
| CARESS <sup>®</sup> BN18 | 18                                     | 1.3   | 76                             | Shiny                         |
| CARESS <sup>®</sup> BN30 | 30                                     | 1   | 80                             | Sparkling                     |

\*Oil Abs: ASTM, D281-84

**KOBO**

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KPP-064A

## Pressed Powder with CARESS® BN

### Part 1

|  |        |
|--|--------|
| ● SERICITE GMS-4C - Kobo Products: <i>Mica</i>   | 70.48% |
| ● BTD-11S2 - Kobo Products:<br><i>Titanium Dioxide (And) Triethoxycaprylylsilane</i>       | 7.00%  |
| ● MST-203 - Kobo Products: <i>Polymethylsilsesquioxane</i>                                 | 5.00%  |
| ● CARESS® BN09 - Bent Tree/Kobo Products: <i>Boron Nitride</i>                             | 5.00%  |
| ● ZINC MYRISTATE - Kobo Products: <i>Zinc Myristate</i>                                    | 2.00%  |
| ● BYO-11S2 - Kobo Products:<br><i>Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane</i> | 1.00%  |
| ● BRO-11S2 - Kobo Products:<br><i>Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane</i> | 0.86%  |
| ● BBO-11S2 - Kobo Products:<br><i>Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane</i> | 0.46%  |
| ● Propyl Paraben NF - International Sourcing: <i>Propylparaben</i>                         | 0.10%  |
| ● Methyl Paraben NF - International Sourcing: <i>Methylparaben</i>                         | 0.10%  |

### Part 2

|   |       |
|---|-------|
| ● Lexol® PG-865 - Inolex Chemical Company:<br><i>Propylene Glycol Dicaprylate/Dicaprate</i> | 2.50% |
| ● ELEMENT14 PDMS 20 - Momentive: <i>Dimethicone</i>   | 2.50% |
| ● ELEMENT14 PDMS 350 - Momentive: <i>Dimethicone</i>  | 2.00% |
| ● SS4267 - Momentive: <i>Dimethicone (And) Trimethylsiloxysilicate</i>                      | 1.00% |

### Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well and micropulverize.
4. Press at 500 psi.

### Description

This powder features Kobo's CARESS® BN09, Boron Nitride, for superior softness and tactility, superb spreadability, excellent adherence, long lasting effect, and good coverage. SERICITE GMS-4C gives a glide-on application. The Silane-Treated Pigments disperse easily, adhere to the skin, and resist darkening during wear. MST-203 gives slip and a great creamy feel. ZINC MYRISTATE also contributes to great feel and adherence on the skin.