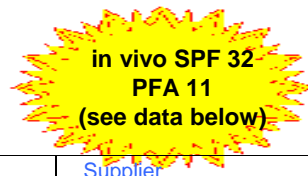


# Natural Sunscreen

## Formula KSL-162



Kobo Products - formulations

| Part | Percent | Ingredients         | INCI Name   | Supplier                     |
|------|---------|---------------------|---|------------------------------|
| 1    | 28.25   | Jjoba Oil           | Simmondsia Chinensis (Jjoba) Seed Oil   | Desert Whale Jjoba Co., Inc. |
|      | 26.00   | JOSP55XZJ           | Zinc Oxide (And) Simmondsia Chinensis (Jjoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jjoba Esters       | Kobo Products                |
|      | 13.00   | JOSP55TJ            | Titanium Dioxide (And) Simmondsia Chinensis (Jjoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jjoba Esters | Kobo Products                |
|      | 7.50    | Carnauba Wax SP 63P | Copernicia Cerifera (Carnauba) Wax  | Strahl & Pitsch              |
|      | 0.25    | Tocopherol          | Tocopherol  | Cognis Corp.                 |
| 2    | 20.00   | MSS-500/N           | Silica  | Kobo Products                |
|      | 5.00    | MSS-500/20N         | Silica  | Kobo Products                |

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### Manufacturing Procedure

\*Heavy mixing required\*

1. Combine Part 1 and heat to 80°C.
2. Mix under propeller.
3. Add Part 2 slowly to Part 1. Mix under propeller.
4. Continue to mix to 25°C and pour into containers.

### Description

This all-natural sunscreen uses Kobo's Titanium Dioxide Dispersion, JOSP55TJ, and Kobo's Zinc Oxide Dispersion, JOSP55XZJ, to achieve SPF. JOSP55TJ uses Jjoba Ester-treated Titanium Dioxide (MT-500B-NJE5) and JOSP55XZJ uses Jjoba Ester-treated Zinc Oxide (ZnO XZ-NJE5) dispersed into Jjoba Oil. Kobo's MSS-500/N and MSS-500/20N are used to give a dry afterfeel. Carnauba Wax is used to thicken and stabilize the formula, and Vitamin E (Tocopherol) is added as an antioxidant.

### Notes

|                      |        |
|----------------------|--------|
| Active Ingredient(s) |        |
| Titanium Dioxide     | 6.80%  |
| Zinc Oxide           | 13.50% |

SPF testing: in vivo on 3 subjects

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# KOBO

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## Formulations

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# The Powder & Dispersion Specialist

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