



## RICE PO4 NATURAL PRODUCT DATA SHEET

### sterilizable rice starch

#### GENERAL DESCRIPTION

- RICE PO4 NATURAL is a special starch (phosphate cross-linked starch) based on rice used for applications in cosmetics.

- INCI Name: Distarch phosphate
- CAS No: 55963-33-2
- EINECS No.: 232-679-6
  
- Chemical characteristic: Di-starch phosphate ester on base of rice starch

#### ANALYSIS DATA

- |                   |             |                        |
|-------------------|-------------|------------------------|
| • pH-value:       | 4,5 – 6,5   | <b>method</b>          |
| • Moisture:       | max. 6,0 %  | 10% slurry             |
| • Total ash:      | max. 1,5 %  | dry residue at 130 °C  |
| • Heavy metals:   | max. 10 ppm | according to ISO 1666  |
| • Sieve analysis: | 0 % > 100µ  | glow residue at 650 °C |
|                   |             | AAS                    |
|                   |             | air jet sieve          |

#### MICROBIOLOGY

- |                           |              |                 |
|---------------------------|--------------|-----------------|
| • Total plate count:      | max. 200/g   | ISO/Pharm. Eur. |
| • Yeasts:                 | max. 25/g    | ISO/Pharm. Eur. |
| • Moulds:                 | max. 25/g    | ISO/Pharm. Eur. |
| • E. Coli:                | negative/g   | ISO/Pharm. Eur. |
| • Staphylococcus aureus:  | negative/g   | ISO/Pharm. Eur. |
| • Pseudomonas aeruginosa: | negative/g   | ISO/Pharm. Eur. |
| • Enterobacteriaceen:     | negative/g   | ISO/Pharm. Eur. |
| • Salmonella              | negative/10g | ISO/Pharm. Eur. |

#### STORAGE AND MINIMUM SHELF-LIFE

- If properly stored under dry conditions (max. 70 % relative humidity): 60 months

#### PACKING

- In multiply paper bags of 25 kg  
(1 one-way-pallet = 30 bags = 750 kg)

#### CUSTOMS TARIFF NUMBER

- 3505 1050



## PROPERTIES AND APPLICATION

- Because of the small particle size RICE PO4 NATURAL is a perfect powder ingredient for fine face powder, make-ups as compact powders, complexion groundings, eye shadows, powder pencils and loose powders.
- RICE PO4 NATURAL can be processed sole or as addition to powder bases. Remarkable properties compared to talcum are the better opacity and the better adhesion to the skin.
- A finish of powder or powder bases with RICE PO4 NATURAL gives them an impression of velvet skin. This effect is especially appreciated for skin powders and decorative powders. It cannot be achieved in this extent with another raw material.
- Additionally RICE PO4 NATURAL appears matting, similar to titanium dioxide. Due to the microcrystalline structure of RICE PO4 NATURAL a natural soft glimmer and a fluent change from powdered to un-powdered skin areas can be achieved. This is an excellent advantage, because the change from powdered to un-powdered skin areas is not defined but flowing.
- RICE PO4 NATURAL shows a very good opacity, adhesion and creaminess and does not clog the skin pores. Because of the non-swelling property of RICE PO4 NATURAL the lumens of the pores do not wide, even after long-term application (contrary to native rice starch).
- RICE PO4 NATURAL is featured by excellent skin kindness and does not irritate mucosa.

Above stated information is indicative only and no responsibility can be assumed. Recommendation is made to check suitability of our product by doing tests on your own.