



RICE NS PRODUCT DATA SHEET

Art.No. 9090

Amylum non mucilaginosum

GENERAL DESCRIPTION

- RICE NS is a cross-linked, non swelling rice starch with a particle size of 7 – 11 micron diameter.
- INCI name: Dimethylimidazolidinone Rice Starch
- CAS No.: 172275-79-5
- EINECS No.: 232-679-6
- Appearance: white, fine powder
- Odour: specific

ANALYSIS DATA

- | | | |
|-------------------|------------------|---|
| • Loss on drying: | max. 6,0 % | method
ISO 1666 |
| • pH-value: | 4,5 – 6,5 | 10% slurry |
| • Sedimentation: | max. 85 ml / 5 g | 5% cooked slurry,
graduated cylinder |
| • Ash: | max. 1,5 % | 650 °C |
| • Sieve analysis: | 0,5 % > 45µ | air jet sieve |

MICROBIOLOGY

- | | | |
|---------------------------|--------------|-----------------|
| • Total plate count: | max. 100/g | ISO/Pharm. Eur. |
| • Yeasts: | max. 10/g | ISO/Pharm. Eur. |
| • Moulds: | max. 10/g | ISO/Pharm. Eur. |
| • Enterobacteriaceae: | negative/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. |
| • Salmonella: | negative/25g | ISO/Pharm. Eur. |



STORAGE AND SHELF-LIFE

- If properly stored under dry conditions (max. 70 % relative humidity): min. 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 NS is a perfect powder ingredient for fine face powder, make-ups as compact powders, complexion groundings, eye shadows, powder pencils and loose powders.
- RICE NS 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 NS 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 NS appears matting, similar to titanium dioxide. Due to the microcrystalline structure of RICE NS 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 NS shows a very good opacity, adhesion and creaminess and does not clog the skin pores. Because of the non-swelling property of RICE NS the lumens of the pores do not wide, even after long-term application (contrary to native rice starch).
- RICE NS shows a slightly acid pH-value of approx. 5,5 and is therefore similar to the pH-value of the skin acid cover and preserves it. This is a difference to mineral powder substances, which react neutral or slightly alkaline.
- RICE NS is featured by excellent skin kindness and does not irritate mucosa.
- RICE NS possesses a thermal conductivity and is therefore cooling the skin.

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.