



## AGENAJEL 20.383 PRODUCT DATA SHEET

### Modified waxy corn starch

#### GENERAL DESCRIPTION

- AGENAJEL 20.383 is a propoxylated starch phosphate based on waxy corn.
- AGENAJEL 20.383 shows an excellent stability against heat, acid, shear, freezing and thawing.
- Appearance: white fine powder
- Odour: specific, pure
- Taste: specific, pure
- INCI: hydroxypropyl starch phosphate
- CAS Number: 53124-00-8

#### ANALYSIS DATA

- Moisture: max. 14,0 %
- pH-value (1% solution): 5,0 – 7,0
- Bulk density (loose): 450 – 550 g/l
- Gelatinization temperature: approx. 55 °C
- Viscosity (Brabender - 6,25 % in substance, 350 cmg cup):  
after reaching 95 °C: approx. 600 BU  
after cooling to 50 °C: approx. 1.300 BU
- Microbiology:  
Total plate count: max. 2.000/g  
Coliforms: max. 10/g  
E. coli: negative/g  
Yeasts: max. 100/g  
Moulds: max. 100/g  
Salmonella: negative/25g

#### STORAGE AND MINIMUM SHELF-LIFE

- If properly stored under dry conditions (max. 70 % relative humidity): min. 36 months

#### PACKING

In multiwall paper-bags of 25 kg (1 pallet = 30 bags = 750 kg)

#### CUSTOMS TARIFF NUMBER

- 3505 1050



## **PROPERTIES AND APPLICATION**

- AGENAJEL 20.383 is a rheology modifier and creaminess enhancer in aqueous applications.
- AGENAJEL 20.383 is a cook up starch with reduced gelatinization temperature. It shows shear-thinning effects with rapid viscosity recovery.
- Applications as thickener: shampoos and face washes (both SLES free), creams & lotions
- AGENAJEL 20.383 leads to opaque formulations.

## **PROCESSING**

- For thickening, AGENAJEL 20.383 has to be stirred in in cold water and heated up > 60°C in aqueous phase with continuous stirring until it is homogenous. In shampoos, we recommend an addition of 3-5%.

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.