



## D.S.A. 7 PRODUCT DATA SHEET

### modified rice starch Art.No. 9092

#### GENERAL DESCRIPTION

- D.S.A. 7 is a physically modified, surface active rice starch with high adsorption for oil and fats and has especially been developed for dry hair shampoo and powder buffer.

- INCI name: Oryza Sativa (Rice) Starch + Cetrimoniumchlorid
- CAS No.: 9005-25-8 + 112-02-7
- EINECS No.: 232-679-6 + 203-928-6
  
- Appearance: fine, white powder
- Odour: specific

#### ANALYSIS DATA

- |                     |                     |                           |
|---------------------|---------------------|---------------------------|
| • Moisture content: | max. 5,0 %          | <b>method</b><br>ISO 1666 |
| • pH-value:         | 5,5 – 7,0           | 10% slurry                |
| • Ash:              | max. 1,5 %          | 650 °C                    |
| • Sieve analysis:   | approx. 0,5 % > 45µ | air jet sieve             |

#### MICROBIOLOGY

- |                           |              |                 |
|---------------------------|--------------|-----------------|
| • Total plate count:      | max. 500/g   | ISO/Pharm. Eur. |
| • Yeasts:                 | max. 20/g    | ISO/Pharm. Eur. |
| • Moulds:                 | max. 20/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 = 25 bags = 625 kg)

## **CUSTOMS TARIFF NUMBER**

- 3809 1090

## **PROPERTIES AND APPLICATION**

- Primary D.S.A. 7 is used as powder base for aerosols and squeeze bottles.
- D.S.A. 7 degreases the hair. Because of the strong antistatic property D.S.A. 7 can be brushed out without any residues and a fast cleaning effect is achieved. After the usage D.S.A. 7 gives the hair natural brightness, breezy luxuriance and freshness.
- D.S.A. 7 shows a kind of deodorizing effect, odour-binding and has a distinct affinity for oils and fats.
- D.S.A. 7 possesses flowing capabilities, does not adhere to can walls, does not build agglomerates in propellants in the spray head. Formed sediments stay loose and can be easily dispersed by short shaking (even if stored for a long time).
- D.S.A. 7 shows a low moisture content of max 5,0 %. A maximum aerosol dispenser filling should contain 6,0 – 8,0 % of D.S.A. 7. As propellant we recommend propane-butane-compounds, also with parts of n-pentane. Other solid additions may affect the spray function in a negative way.
- D.S.A. 7 is kind to the skin and harmless in dermatological respect.

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.