



## TECHNICAL DATA SHEET

# Orgasol<sup>®</sup> 2001 UD NAT 1



### MAIN APPLICATIONS

**Over Print Varnish, wood coating, plastic coating and flooring**

ORGASOL<sup>®</sup> 2001 UD NAT 1 is a **spheroidal powder** of polyamide 12, with **5 µm** as average diameter and a narrow particle size distribution. An extremely high level of quality is achieved thanks to our rigorous control of particle size distribution, providing **excellent consistency in performance**.

ORGASOL<sup>®</sup> 2001 UD NAT 1 is used as additive in coatings to provide **scratch and abrasion resistance and to adjust gloss level**.

ORGASOL<sup>®</sup> 2001 UD NAT 1 alone is suitable to achieve **satin finished**. In combination with silica or waxes, ORGASOL<sup>®</sup> 2001 UD NAT 1 can achieve deep matt finishes while keeping high abrasion and scratch resistance. The best performances are obtained in coatings with low thickness (below approx. 20 µm).

The **high chemical resistance of polyamide 12** and the particle size distribution are among the key parameters that make ORGASOL<sup>®</sup> 2001 UD NAT 1 **compatible with most resins** and common formulating additives used in coating industry. It can be added to interior or exterior paints and to solvent based, water based or 100% solid UV curable systems.

### CHARACTERISTICS

**Appearance:**  
**Average diameter:**  
**Particle size distribution:**  
    **Fine particles < 2.5 microns**  
    **Coarse particles > 10 microns**  
**Average Specific Surface Area:**  
**Apparent density unpacked:**  
**Melting point:**

White spheroidal powder  
5 microns  
2 max. %  
5 max. %  
9 m<sup>2</sup>/g  
0.215 g/cm<sup>3</sup>  
177 °C

### METHOD

Visual  
ISO 13319  
ISO 13319  
ISO 13319  
ISO 9277  
ISO 1068  
ISO 11357-3

### PACKAGING

10 Kg multilayers bags

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