

## DETERCAL<sup>®</sup> P7

### White selective powders for softening effect and carrier special additive

#### Characteristics and advantages

**DETERCAL<sup>®</sup> P7** is a white calcium bentonite powder used in powder detergent formulations for its softening performances and for its functional capacity as carrier.

#### Raw material

Based on special selected calcium bentonite, very white montmorillonite

The high specific surface and the high cationic exchange capacity improve the mechanism and filling a higher number of fibre cavities with better final softening performance

#### Method of utilization

**DETERCAL<sup>®</sup> P7** powder must be added to the slurry in spray-dry systems for the production of heavy duty powders. The advised percentage of bentonite in the detergent ranges between 8 and 15%wt.

#### Packaging

**DETERCAL<sup>®</sup> P** is available in :

- 25 kg paper bags;
- big bags of 500/1000 kg;
- loose in silos/bulk-containers

#### TECHNICAL CHARACTERISTICS

CHEMICAL-PHYSICAL CHARACTERISTICS (typical values)		
		Detercal <sup>®</sup> P7
Moisture	[%]	11 - 13
Color (Hunterlab)	L	88.0
	a	- 0.5
	b	+ 5.5
Cation exchange capacity	[meq/100g]	100
Swelling capacity	[ml/2g]	6-7
Bulk density	[g/ml]	0.70 - 0.85
Dry residue over 75 μ	[%]	10-15
Dry residue over 45 μ	[%]	20-25

CHEMICAL ANALYSIS (typical values)	[%]
SiO <sub>2</sub>	73.00
Al <sub>2</sub> O <sub>3</sub>	15.00
TiO <sub>2</sub>	0.15
Fe <sub>2</sub> O <sub>3</sub>	1.00
P <sub>2</sub> O <sub>5</sub>	0.01
MnO	0.01
MgO	3.10
CaO	0.8
K <sub>2</sub> O	0.7
Na <sub>2</sub> O	0.6
L.O.I. (900°C)	5.0

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