OPTIWHITE INC.

A S C O S I L

Bentonite Granules
Detergent Additive

PRODUCTION

The basic raw material used in the production of ASCOSIL is a naturally occurring clay material containing high levels of montmorillonite.

PRODUCT DESCRIPTION

ASCOSIL is a clay mineral agglomerate that easily dissolves in water and easily remains in suspension. It provides an aesthetic contribution (blue speckles) to the appearance of detergent bars and powders. To avoid introducing colored bleaching agents directly in the detergent slurry which cause the whole detergent to be colored blue, photoactive bleaching agents or brighteners are incorporated in ASCOSIL.

PHYSICAL PROPERTIES

Product Appearance	Blue
Inorganic Component	Calcium Montmorillonite
Colorant	Phthalocyanine based
Moisture Content	10%-14% Max
Loose Bulk Density	750-990 grams/liter

Particle Size

MESH	MICRONS	RETAIN/PASS	RESULT
18 MESH	1000	Retained	2% Max
35 MESH	500	Retained	80% Min
80 MESH	180	Pass	5% Max

TYPICAL ANALYSIS

SiO_2	60.49 %
Al_2O_3	8.50
Na_2O_3	3.52
Fe_2O_3	1.46
CaO	1.33
MgO	3.56

SOFTENING FEATURE

ASCOSIL's basic calcium montmorillonite content delivers a softening effect. The naturally occurring clay appears a colloidal dispersion of small particles of layered silicates. These are then deposited in small quantities on the washed goods thus improving softening. For optimum softening effect, a powder derivative "OPTIWHITE" can be used (7-9% dosage)