



Carbotal BDGE85 Technical Data Sheet

CAS No.- 9004- 32-4

Grade- Carbotal BDGE85

Molecular formula- $[C_6H_7O_2(OH_2)OCH_2COONa]_n$

Product Description

Carbotal BDGE85 is a technical-grade, low-viscosity Blocky Sodium Carboxymethyl Cellulose (CMC) specifically engineered for the detergent industry. This water-soluble polymer, derived from natural cellulose, functions as a highly effective anti-redeposition agent in detergent formulations. Its enhanced penetration capabilities allow it to reach deep into fabric fibers, enabling superior soil removal and improved cleaning results.

Key Features & Advantages

Carbotal BDGE85 ensures fabric cleanliness through anti-redeposition, provides deep cleaning for tough stains, and leaves a soft finish for added comfort. It also controls heavy metal buildup, reduces wash time, and is gentle on sensitive skin.

APPLICATION

Carbotal BDGE85 is widely used in the detergent industry for its excellent anti-redeposition, thickening, and fabric-softening properties. It is suitable for both powder and liquid detergent formulations.

Specifications

Standard	Carbotal BDGE85
Appearance	Free-flowing white to creamish powder
Solubility in water	Completely soluble
Active Matter (Purity), min. %	>65
Temperature stability (°C)	>150
Moisture content, max. %	10
Bulk Density (kg/m ³)	Minimum- 500
Brookfield Viscosity 25°C, (1% soln.)	Maximum 15 cps
Brookfield Viscosity 25°C, (2% soln.)	Maximum 30 cps
pH (1% soln. deionized water)	8 – 12
Degree of Substitution (DS)	Minimum – 0.6

Usage and Dosage:

Recommended dosage: **0.1% to 0.5%**, calculated on a dry basis or according to customer-specific procedures.

Packing and Storage

Carbotal BDGE85 is packaged in 25 kg or 50 lb. in kraft paper bag or as per customer requirement. Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

The above information is best to our knowledge and provided for manufacturing purposes. Al Battal Factory for Chemical Industries Company makes no warranty or guarantee concerning the handling, use or application of such product whether alone or in combination with other products in case unexpected events occur. Users are advised to make their own tests to determine the suitability and performance of the product.