



Carbotal HV 3000

Technical Data Sheet

CAS No.- 9004- 32-4

Grade- Carboxymethyl Cellulose High Viscosity (Carbotal HV 3000)

Carbotal HV 3000 is water-soluble polymer for water-based drilling fluids. It is effective in reducing the filtration rate of many water-based oil and gas drilling fluids. It can also be used to increase and stabilize viscosity to improve hole cleaning and suspension properties in a wide variety of fluid environments as well as to make a mixture, which resembles a cream or lotion.

Application- Carbotal HV 3000 is a cost-effective additive to reduce API filtration rate of many water-based drilling fluids including fresh water, sea water, saturated salt water and solids-free brines, native mud, flocculated mud, inhibited mud and contaminated systems

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

Specifications

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|--|---------------------------|
| Standard | Based on API |
| Test Method | API 13A & ASTM |
| Appearance | White free flowing powder |
| Solubility in water | Soluble (20°C) |
| Active Matter (Purity), min. % | >96 |
| Temperature stability (°C) | >150 |
| Moisture content, max. % | 10 |
| Specific gravity (g/cm ³ at 20°C) | 1.5 - 1.6 |
| Bulk Density (kg/m ³) | 400 - 880 |
| Degree of substitution (min.) | 0.7 |
| Brookfield Viscosity (2% soln.) | 1500 - 3000 cps |
| pH (1% soln. deionized water) | 6.5 – 8.0 |
| API Filtrate Volume (max. ml) | 23 |

Packing and Storage

Carbotal HV 3000 is packaged in 25 kg or 50 lb. 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.

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