



CARBOTAL MNHV Technical Data Sheet

CAS No.- 9004- 32-4

Grade- CARBOTAL MNHV (Sodium Carboxymethyl Cellulose -Mining Grade High Viscosity)

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

Product Description

CARBOTAL MNHV is a mining-grade, high-viscosity Sodium Carboxymethyl Cellulose developed for binding and agglomeration applications in gold mining. The product provides strong adhesion and moisture retention, supporting efficient material handling and processing operations.

Applications

CARBOTAL MNHV is used as a binder and agglomeration aid in heap leaching, pelletizing, and tailings treatment. It improves particle bonding and pellet formation, contributing to stable heap structures and uniform leach solution distribution.

Key Performance Benefits

CARBOTAL MNHV delivers high binding strength and durable pellet integrity, reducing fines generation during handling and stacking. Its high-viscosity characteristics enhance moisture retention and ensure reliable performance under alkaline processing conditions.

Specifications

Standard	CARBOTAL MNHV
Test Method	ASTM
Appearance	Free-flowing white to creamish powder
Solubility in water	Completely soluble
Starch presence	Absent
Moisture Content (max %)	10%
Brookfield Viscosity (1% soln, 25°C)	800 – 1200 cps
Brookfield Viscosity (2% soln, 25°C)	5000 – 9000 cps
pH (1% solution in deionized water)	6.5 – 8.5
Active Matter (Purity, min. %)	≥97%
Degree of substitution (min.)	≥0.70
NaCl content, max. %	≤ 3.0 %
Bulk Density (kg/m ³ , min.)	≥500
Temperature stability (°C)	≥150
Specific gravity (g/cm ³ at 20°C)	1.5 - 1.6

Packing and Storage

CARBOTAL MNHV is packaged in 25 kg or 50 lb. kraft paper bags, or as per customer requirements. Store in a dry, well-ventilated area. Keep the container tightly closed and protected from heat, sparks, open flames, and incompatible materials. Follow standard warehousing practices, including proper palletizing, banding, shrink-wrapping, and stacking, to maintain product integrity and ensure safe storage.

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.

Al Battal Factory for Chemical Industries Company, P.O. Box 2479, 2nd Industrial City, Dammam-34334,
Kingdom of Saudi Arabia. Tel. +966 13 8128882 Fax: +966 13 8128880, Web site: www.albattalchem.com
CARBOTAL MNHV, Rev.- 00, Date- 26/01/2026