

## PRODUCT INFORMATION

# MEILOSE GMC-4114



### Product description

GMC-4114 is a modified hydroxypropyl methyl cellulose (HPMC)

### Application / Advantages

GMC-4114 was developed for tape all purpose joint compounds for gypsum based at heavy weight. and GMC-4114 was developed for emulsion based plaster.

It exhibits well-balanced properties, e.g.

- Excellent tape adhesion
- Good water retention
- Easy workability

Joint compound is a ready-to-use paste which is mainly used in wallboard construction to fill the joints between the boards. As an additive in Joint compound, GMC-4110 provides good performance in terms of tape adhesion, workability and prevention of shrinkage and crack formation. Furthermore, GMC-4110 is recommended both for standard and lightweight joint compounds.

It also exhibits good workability and enhances water retention. The selected particle size distribution guarantees quick or lump free dissolution. It is compatible with all conventional mineral and organic binders.

GMC—4114 is intended for dry mixing with other powder materials and should not be used for directed dissolving in water.

### Specifications

Form	Powder	
Solubility	Water soluble	
Viscosity <sup>1</sup>	40,000~50,000 MPa·s	Brookfield RV
pH	4.0~5.0(2% solution)	
Moisture content	Max. 8%	ASTM D1347-72
Particle size	<177μm: min. 95%	

Note: 1: The viscosity is measured by Brookfield viscometer on conditions of 2% neutral aqueous solution, Brookfield 20°C,20RPM

### Health

MEILOSE products have had extensive evaluation in both acute and long-term studies in a number of species, including humans. Their many years of use attest to their safety in a wide variety of applications. While the dust may cause mechanical irritation to the skin and eyes under extreme conditions, the products are considered to present no significant health hazard under normal handling conditions.

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### Flammability

Cellulose ether products are organic polymers that will burn when exposed to heat and a sufficient oxygen supply. Fires can be extinguished by conventional means avoiding any raising of dust by strong water jets. Huiguang recommends the use of water spray, carbon dioxide, or powder extinguishers. MEILOSE starts to decompose at about 200°C. Its ignition temperature is >360°C. MEILOSE burns easily and the fire may spread. Additionally, MEILOSE products, like other organic chemicals, should not be stored next to peroxides or other oxidizing agents.

### Packaging and Storage

MEILOSE GMC-4114 is packed in multiply paper bags with polyethylene inner liner of Net weight 20KG net or 25KG net. and are supplied on pallets of 50-60 bags(1000-1200kg net). Material packed in big bags of 400-600kgs net is available on request. We recommend emptying the bags from the bottom. the empty bags can be recycled or burned.

MEILOSE is a non-perishable product. It is recommended to use the product in rotation on a first-in first-out basis. The product should be stored under dry and clean conditions in its original packing and away from heat. The product is hygroscopic. The packaging is selected in a way to avoid ingress of moisture, but the water content of the packed product will/may increase if not stored dry.

When stored in closed containers, or in its original packaging in a dry place at room temperature, MEILOSE can be kept for a long time. In the case of high viscosity grades, a slow loss of viscosity can be measured after long-term storage (>1 year). MEILOSE absorbs water from moist air. Once opened, package must be resealed and kept tightly closed.