



## 618 384 9 Tablet Binders And Disintegrants Functional Groups For Pharmaceutical Industry

Our Product Introduction

for more products please visit us on [anhuisunhere.com](http://anhuisunhere.com)

### Basic Information

- Place of Origin: China
- Brand Name: HPMC



### Product Specification

- Toxicity: Generally Considered Safe For Use In Food And Pharmaceuticals
- Functional Groups: Hydroxyl, Carboxyl, And Ether Groups
- Molecular Weight: 162.14 G/mol
- Compatibility: Compatible With A Wide Range Of Other Materials
- Applications: Thickening Agent, Film-forming Agent, Binder, And More
- Eines: 618-384-9
- Volatile: Not Volatile
- Hs Code: 39129000
- Highlight: **618 384 9, Tablet Binders And Disintegrants, Pharmaceutical Industry HYDROXYL CARBOXYL ETHER Groups**

## Product Description

### Product Description:

Cellulose derivatives are a versatile group of compounds widely used in various industries due to their unique properties and wide range of applications. One of the key products in this category is Microcrystalline Cellulose (MCC), which is known for its high melting point of 200-300°C. This attribute makes it suitable for applications requiring heat resistance, such as in pharmaceutical and food manufacturing processes.

One of the main advantages of cellulose derivatives, including MCC, is their low toxicity, making them generally considered safe for use in food and pharmaceutical products. This safety profile is crucial for products intended for human consumption, ensuring that they meet stringent regulatory standards and consumer safety expectations.

Cellulose derivatives, such as MCC, are commonly used as tablet binders and disintegrants in the pharmaceutical industry. As tablet binders, they help hold the ingredients of a tablet together, ensuring the tablet maintains its shape and integrity. Meanwhile, as disintegrants, they facilitate the breakdown of the tablet upon ingestion, allowing for efficient drug release and absorption in the body. Besides their role in pharmaceutical formulations, cellulose derivatives find applications in various other industries as well. They are widely used as thickening agents, providing viscosity and texture to a wide range of products such as personal care items, paints, and coatings. Additionally, they serve as film-forming agents, creating a protective barrier on surfaces. Furthermore, they act as binders in different formulations, helping ingredients stick together and maintain their structure.

One of the key identifiers for cellulose derivatives, including MCC, is their EINECS number 618-384-9. This registration number provides essential information for regulatory compliance and product tracking, ensuring that the products meet the necessary quality and safety standards.

In summary, cellulose derivatives, particularly MCC, offer a wide range of benefits and applications across various industries. With their high melting point, low toxicity, and versatile usage as tablet binders, disintegrants, thickening agents, film-forming agents, and binders, they play a crucial role in the formulation of diverse products. Whether as a capsule diluent in pharmaceuticals or a thickening agent in personal care items, cellulose derivatives are indispensable components that contribute to the quality and functionality of numerous consumer goods.

### Features:

Product Name: Cellulose Derivatives

Applications:

Thickening Agent

Film-forming Agent

Binder

And More

Molecular Weight: 162.14 G/mol

Usage: Tablet Binders And Disintegrants

Molecular Formula: C<sub>6</sub>H<sub>7</sub>O<sub>2</sub>(OH)<sub>2</sub>CH<sub>2</sub>COONa

Functional Groups:

Hydroxyl

Carboxyl

### Applications:

HPMC, a cellulose derivative product originating from China, is a versatile ingredient with a CAS No of 9004-34-6 and EINECS number 618-384-9. Known for its applications as a thickening agent, film-forming agent, binder, and more, HPMC offers a wide range of benefits across various industries.

One of the primary product application occasions for HPMC is in the pharmaceutical sector. It is commonly used as a capsule diluent, providing the necessary binding properties to hold the contents of the capsule together. Additionally, HPMC serves as a tablet disintegrant, aiding in the breakdown of tablets for effective and efficient absorption in the body.

Furthermore, HPMC finds its place in the construction industry as a key ingredient in cement-based products. Its ability to act as a thickening agent enhances the workability and consistency of the mixture, leading to improved performance and durability of the final product.

In the food industry, HPMC is utilized as a film-forming agent in various applications such as edible films and coatings. Its film-forming properties help in preserving the freshness of food products and enhancing their visual appeal.

With a melting point range of 200-300°C and model number ranging from 800-12000, HPMC offers a reliable and consistent performance across different scenarios. Whether it is enhancing the texture of personal care products, improving the quality of paints and coatings, or optimizing the performance of industrial adhesives, HPMC proves to be a valuable ingredient with diverse applications.

### FAQ:

**Q: What is the brand name of this cellulose derivatives product?**

A: The brand name is HPMC.

**Q: Where is this cellulose derivatives product manufactured?**

A: This product is manufactured in China.

**Q: What are the main applications of HPMC cellulose derivatives?**

A: HPMC cellulose derivatives are commonly used in construction materials, pharmaceuticals, cosmetics, and food products.

**Q: Is HPMC cellulose derivatives environmentally friendly?**

A: Yes, HPMC cellulose derivatives are biodegradable and considered environmentally friendly.

**Q: Can HPMC cellulose derivatives be used in food products?**

A: Yes, HPMC cellulose derivatives are safe for use in food products and are commonly used as food additives.



**Anhui Sunhere Pharmaceutical Excipients Co., Ltd.**



+86 19955438215



haileeping@sunhere-excipients.com



anhuisunhere.com

ECONOMIC AND TECHNOLOGICAL DEVELOPING ZONE, HUAINAN, ANHUI 232007, CHINA