



JINING FORTUNE BIOTECH CO.,LTD

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## MSDS--Material Safety Data Sheet

### 1. Identification of the Substances/Preparation and of the Company

**Product Name:** Carboxymethyl Cellulose

**Other Names:** carboxymethyl ether, sodium salt; Carboxy methyl cellulose sodium, CMC, CMC-Na

**Description:** Carboxymethyl Cellulose is an organic compound manufactured through chemical synthesis.

**Chemical Formula:**  $[C_6H_7O_2(OH)_x(OCH_2COONa)_y]_n$

**Molecular weight:** Not Applicable

**CAS #:** 9004-32-4

**EINECS #:** 265-995-8

**Manufactured by:** Jining Fortune Biotech Co.,Ltd

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**Usage:** In Food Pharm and other industrial as Thickener, Emulsifier, Stabilizer.

### 2. Hazards Identification

**Classification according to GHS:** Not classified as a dangerous good

**Labeling Elements:**

Pictogram: Not required

Signal Word: Not required

Hazard Statement: Not required

Precautionary Statement: Not required

**Other Hazards:** In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

### 3. Composition

**Sodium Carboxymethyl Cellulose:** ≥95%

**Hazardous impurities:** Heavy metals Pb ≤0.002%, Arsenic ≤0.0002%

#### **4. First-Aid Measures**

**Inhalation:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**Skin Contact:** Immediately wash skin with soap and copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

**Eye Contact:** Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical advice.

**Ingestion:** If swallowed, wash out mouth with water, provided person is conscious. Seek medical advice.

#### **5. Fire Fighting Measures**

**Extinguishing Media:** Carbon dioxide, dry chemical powder or appropriate foam. Water spray.

**Unusual fire and explosion hazards:** Emits toxic fumes under fire conditions

**Special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with the skin and eyes.

#### **6. Accidental Release Measures**

Ensuring personal safety, mark out contaminated area with signs and prevent unauthorised access. Turn leaking containers up to prevent further evacuate area. Wear self-contained breathing apparatus, rubber boots & heavy rubber gloves. Sweep-up/absorb in suitable material, place in a container and hold for disposal. Avoid raising dust. Ventilate area and wash spill site after pick-up complete.

#### **7. Handling/Storage**

**Storage:** Kept in dry, cool, and shaded place with original packaging, avoid moisture, store at room temperature.

**Handling precaution:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust.

#### **8. Exposure Control**

**Engineering Controls:** Safety shower and eye bath. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations below their respective threshold limit value.

**Respiratory protection:** NIOSH/MSHA or European Standard EN 149 approved respirator

**Eye Protection:** Protective eyeglasses or chemical safety goggles

**Skin Protection:** Wear appropriate protective gloves and clothes to minimize skin contact.

**Other:** Consult professionals if Sodium Carboxymethyl Cellulose need to be handled under some special conditions.

## 9. Physical/Chemical Characteristics

**Physical state and appearance:** Free flow white to yellowish fibrous powder

**Odor:** Odorless

**Taste:** N/A

**Molecular Weight:** N/A

**pH (1% soln/water):** 6.5-8.0

**Boiling Point:** 527.1°C

**Melting Point:** 300°C

**Critical Temperature:** N/A

**Specific Gravity:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Volatility:** N/A

**Odor Threshold:** N/A

**Solubility:** Soluble in water, insoluble in organic solvents such as ethanol, acetone, chloroform.

## 10. Stability and Reactivity Data

**Stability:** Stable under normal conditions

**Instability Temperature:** N/A.

**Conditions of Instability:** N/A.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** N/A.

**Special Remarks on Corrosivity:** N/A.

**Polymerization:** No

## 11. Toxicological Information

**Skin Corrosion/Irritation:** May cause mild skin irritation

**Serious Eye Damage/Irritation:** May cause eye irritation

**Respiratory or Skin Sensitization:** N/A

**Germ Cell Mutagenicity:** This product is not known to cause mutagenicity

**Specific Target Organ Toxicity - Single Exposure:** N/A

**Specific Target Organ Toxicity - Repeated Exposure:** N/A

**Aspiration Hazard:** No aspiration hazard.

## 12. Ecological Information

**Ecotoxicity:** LC50=100-1000mg/L96h (Fish)

**Persistence:** Expected to biodegrade rapidly.

**Bioaccumulation:** The potential for bioconcentration in aquatic organisms is low.

**Mobility:** Expected to have high mobility in soil.

**Potential Effect on Environment:** Maybe harmful to aquatic life. Do not let the product enter drains.

## 13. Disposal Considerations

**Waste Disposal Property:** Dangerous waste.

**Waste Disposal Methods:** Land-filling in a permitted solid or hazardous waste facility is recommended. Observe all federal, state, and local environmental regulations. Contaminated packaging should be disposed of as unused product.

## 14. Transport Information

Not classified as dangerous in the meaning of transportation regulation.

## 15. Regulatory Information

USA Regulations

TSCA Section 8(b) LISTED ON THE TSCA INVENTORY.

## 16. Other Information

This Safety Data Sheet of Sodium Carboxymethyl Cellulose is based upon a limited review of Jining Fortune Biotech Co., Ltd. files and standard Toxicological handbooks. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Jining Fortune Biotech Co., Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Jining Fortune Biotech Co., Ltd. has been advised of the possibility of such damages.