

## Material Safety Data Sheet

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

#### Product Details

**Trade Name:** SODIUM CARBOXY METHYL CELLULOSE

**Other Names:** Cellulose, carboxymethyl ether, sodium salt; Carboxy methyl cellulose sodium; CMC; Carboxymethyl cellulose; carboxymethyl cellulose sodium salt; carboxymethyl cellulose sodium salts; Carboxymethyl ether cellulose sodium salt; Carboxymethyl cellulose Sodium Salt; Carboxymethyl cellulose, sodium salt; cellulose carboxymethyl ether sodium salt; Cellulose, Carboxymethyl ether, Sodium CMC-Na; Sodium Carboxymethyl cellulose

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### 2. Hazards Identification

#### 2.1 Classification according to GHS

Not classified as a dangerous good.

#### 2.2 Labeling Elements

**Pictogram(s):** Not required.

**Signal Word:** Not required.

**Hazard Statement(s):** Not required.

**Precautionary Statement(s):** Not required.

**2.3 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 information on Ingredients

#### 3.1 Substance:

Molecular Formula: C<sub>8</sub>H<sub>16</sub>NaO<sub>8</sub>

Molecular Weight: 265.204

Components as following:

Components Name	CAS#	EINECS#
Sodium Carboxymethyl Cellulose	9004-32-4	618-378-6

#### 4. First-Aid Measures

##### 4.1 First-aid measures

**Eye Contact:** Rinse thoroughly with plenty of water for several minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptom persists.

**Skin Contact:** Wash with soap and water while removing contaminated clothing and shoes. Wash clothing before reuse. Consult a physician if symptom persists.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.

**Ingestion:** Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water. Consult a physician if irritation or symptoms occur.

##### 4.2 Acute or chronic effects:

**Acute effects:** Irritating to eyes, mucous membrane, skin and respiratory tract. May cause headache, nausea and vomiting.

**Chronic effects:** No relevant research data.

**4.3 Note to physician:** Treat symptomatically.

#### 5. Fire-Fighting Measures

**Suitable Extinguishing Media:** Extinguish with foam, water spray and sand. Do not use dry chemical or carbon dioxide.

**Special Hazards Arising from the Chemical:** Thermal decomposition or combustion may release irritating or high toxic gases and fumes.

**Special Protective Actions for Fire-fighters:** Fire-fighters should wear self-contained breathing apparatus in pressure-demand and full fire-fighting turn-out gear. Extinguishing the fire from upwind and keep a safe distance.

## 6. Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Isolate spill or leak area in all directions. Keep unauthorized personnel away. Wear anti-dust masks, protective clothing. Ensure adequate ventilation. Do not directly contact with the leakage. Stay upwind.

**Precautions to Protect the Environment:** Avoid let into waterways, sewers, basements or confined areas.

**Methods and Materials for Containment and Cleaning Up:** Provide ventilation. Avoid raising dust. Cut off leakage if possible. Vacuum or sweep up leakage and put into a clean sealed container for further recycle or disposal. If product is not contaminated, scoop into clean containers for reuse.

## 7. Handling and Storage

**Precautions for Safe Handling:** Avoid any source of contact. Avoid inhalation of dust. Avoid formation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Do not ingest. Keep container tightly closed when not in use. Wash hands with soap and water before eating, drinking and smoking.

**Conditions for Safe Storage:** Keep container tightly closed in a dry, cool, well-ventilated place without direct sunlight. Keep away from fire and heat. Keep away from oxidizes and acid. Storage area should be equipped with right material and equipment to collect leakage. Avoid contaminated water, food or feeds.

## 8. Exposure Controls/Personal Protection

**Control parameters:** Not established.

**Appropriate Engineering Controls:** Provide enough natural or local ventilation. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Individual protective measure:**

**Respiration Protection:** If dust exceeds recommended exposure limits, wear a self-absorption filter gas mask (half mask). Wear an air respirator when emergency.

**Hands Protection:** Wear general protective gloves.

**Skin Protection:** Wear anti-static working clothing.

**Eye Protection:** Wear chemical safety goggles.

**Hygiene Measures:** Do not eat, drink or smoke at working place. Wash hands thoroughly and immediately after handling the product.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	White powder
<b>Odor:</b>	Odorless
<b>Odor threshold value:</b>	N/A
<b>pH:</b>	6.0-11.0
<b>Melting/ Freezing Point:</b>	300°C
<b>Boiling Point:</b>	527.1°C(760mmHg)
<b>Flash Point:</b>	286.7°C
<b>Evaporation Rate:</b>	N/A
<b>Flammable:</b>	Non-flammable solid
<b>Ignition Temperature:</b>	N/A
<b>Explosion Limits in Air:</b>	N/A
<b>Vapor Pressure:</b>	2.59×10 <sup>-13</sup> mmHg(25°C)
<b>Vapor Density:</b>	N/A
<b>Specific Gravity:</b>	> 1
<b>Solubility :</b>	Soluble in water, insoluble in organic solvents such as ethanol, acetone, chloroform
<b>Partition coefficient (n-octanol/ water):</b>	N/A
<b>Auto-combustion Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A

## 10. Stability and Reactivity

**Reactivity:** No data available.

**Stability:** Stable under normal conditions.

**Hazardous Reactions:** No hazardous reactions known.

**Conditions to Avoid:** High temperature, moisture and water.

**Incompatible Materials:** No data available.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, irritating and toxic gases and fumes.

## 11. Toxicological Information

**Acute Toxicity:**

LD50=27g/kg (Rat, Oral);

LD50≥27g/kg (Mouse, Oral);

LD50≥27g/kg (Rabbit, Oral);

LC50≥5800mg/m<sup>3</sup>/4H(Rat, Inhalation);

LD50>2g/kg (Rabbit, Skin).

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

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

**Respiratory or Skin Sensitization:** No data available.

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

**Carcinogenicity:** Not listed as carcinogen by NTP, IARC or OSHA.

**Reproductive Toxicity:** This product is not known to cause reproductive toxicity.

**Specific Target Organ Toxicity - Single Exposure:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure:** No data available.

**Aspiration Hazard:** No aspiration hazard.

## 12. Ecological Information

**Ecotoxicity:** LC50=100~1000mg/L/96h (Fish).

**Persistence/Degradability:** Expected to biodegrade rapidly.

**Bioaccumulation:** The potential for bio-concentration 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

### Land Transport ADR/RID

Not regulated for transport or dangerous goods.

### Maritime Transport IMDG

Not regulated for transport or dangerous goods.

### Air Transport IATA/ICAO

Not regulated for transport or dangerous goods.

**Packing Group:** Plastic bag internal, paper bag outside

**Marine Pollutant:** No

**Attention in bulk transportation:** Check the container and make sure it is full and sealed before transportation. Ensure the container does not leak, collapse, fall, or damaged in the transportation. Transport vehicles should be equipped with emergency treatment equipment. Should prevent solarization, rain and heat.

## 15. Regulatory Information

### USA Regulations

**TSCA Section 8(b):** Listed on the TSCA inventory.

**TSCA Section 12(b):** Not listed.

### SARA Title III/EPCRA:

SARA 313 Toxic Chemical (40 CFR 372.65): Not reported.

SARA 304 EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

### CERCLA Hazardous Substances and Corresponding RQs:

CERCLA Reportable Quantity (RQ) (40 CFR 302.4): The product does not have an RQ.

**OSHA:** The product is not considered highly hazardous by OSHA.

**California Proposition 65:** California No Significant Risk Level: Not listed.

### Canadian Regulations

**DSL/NDSL Status:** Listed on the Canadian DSL list.

**WHMIS:** Not classified.

**EU Regulations**

Not classified as hazardous goods according to Directive 1272/2008 (CLP).

Not classified as hazardous goods according to Regulation (EC) 1907/2006.

**16. Other Information****Further Information:**

·This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

·This safety data sheet is prepared in accordance with Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Rev.6.

**Department Issuing SDS:** QINGDAO SINOCMC CHEMICAL CO., LTD

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