



Material Safety Data Sheet (MSDS) for Carboxymethyl Cellulose (CMC)

Section 1: Product Information

Product Name: Carboxymethyl Cellulose (CMC)
Chemical Family: Cellulose Derivative
CAS Number: 9004-32-4

Section 2: Hazard Identification

Classification:
Not classified as hazardous.
Signal Word: None
Hazard Statements: None

Section 3: Composition/Information on Ingredients

Chemical Name: Carboxymethyl Cellulose
Concentration: 100%

Section 4: First Aid Measures

Eye Contact: Rinse with water for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact: Wash affected areas with soap and water. Seek medical attention if irritation occurs.
Inhalation: Remove to fresh air. If breathing difficulties persist, seek medical attention.
Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention.

Section 5: Fire-fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide.
Specific Hazards: Not flammable. May emit toxic fumes under fire conditions.
Special Protective Equipment: None required for normal fire conditions.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid **inhalation and skin contact**.
Environmental Precautions: Prevent entry into waterways. Contain and collect spilled material.



Section 7: Handling and Storage

Handling: Use with adequate ventilation. Avoid contact with eyes and skin.

Storage: Store in a cool, dry place away from incompatible materials. Keep containers tightly closed.

Section 8: Exposure Controls/Personal Protection

Exposure Limits: Not established for CMC.

Engineering Controls: Use local exhaust ventilation to maintain airborne concentrations below exposure limits.

Personal Protective Equipment: Wear appropriate protective clothing, gloves, and eye/face protection.

Section 9: Physical and Chemical Properties

Physical State: Powder or granules

Color: White to off-white

Odor: Odorless

Melting Point: Not applicable

Boiling Point: Not applicable

Solubility in Water: Soluble

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: None under normal conditions.

Section 11: Toxicological Information

Acute Toxicity: Low toxicity. No specific data available.

Skin Irritation: Non-irritating.

Eye Irritation: Non-irritating.

Section 12: Ecological Information

Ecotoxicity: Not expected to be harmful to aquatic life.



Section 13: Disposal Considerations

Dispose of in accordance with local, regional, and national regulations.

Section 14: Transport Information

UN Number: Not applicable

Proper Shipping Name: Not regulated for transport.

Section 15: Regulatory Information

Follow all applicable regulations and guidelines.

Section 16: Other Information

This MSDS is intended to provide a summary of key information. It is not a comprehensive document. For detailed information, refer to the product label and technical data sheet