SDS-SODIUMCMCFOO 29 Sep 2026

SAFETY DATA SHEET

SODIUM CARBOXYMETHYL CELLULOSE (FOOD GRADE CMC)

CAS No.: 9004-32-4

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Sodium Carboxymethyl Cellulose (Food Grade CMC)
CAS Number	9004-32-4
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word	Not classified

HAZARD CLASSIFICATION
None assigned

HAZARD STATEMENTS
None assigned

PRECAUTIONARY STATEMENTS
None assigned

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Sodium Carboxymethyl Cellulose (Food Grade CMC)
CAS Number	9004-32-4
Physical State	Solid (powder or granules)
Appearance / Odour	White to off-white/light beige powder or granules, odorless.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes; remove contact lenses if present; seek medical attention if irritation persists.
Skin Contact	Wash with soap and water; not expected to be irritating; product may feel slippery when wet.
Inhalation	Move to fresh air; dust may cause mechanical irritation to nose/throat; seek medical attention if breathing difficulty occurs.
Ingestion	No hazard expected as a food ingredient; rinse mouth with water if discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical, foam.
Unsuitable Extinguishing Media	Avoid dispersing dust with high-pressure air/water, which could create a combustible dust cloud.
Special Hazards	Fine cellulose-derivative dust can form combustible dust-air mixtures; combustion produces carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Measures	Avoid generating dust; sweep/vacuum and collect for disposal; wetted spilled material becomes very slippery and highly viscous, so use caution; avoid drains due to viscosity build-up.

7. HANDLING AND STORAGE

Handling Precautions	Avoid dust generation and inhalation; use local exhaust ventilation; control ignition sources where dust may accumulate; avoid eye contact.
Storage Conditions	Store in tightly closed containers in a cool, dry, well-ventilated place away from moisture and ignition sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No specific OEL established; treat as nuisance/combustible dust (general guideline ~10 mg/m3 TWA); use dust mask, safety glasses, and gloves during bulk handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid (powder or granules)
Appearance / Odour	White to off-white/light beige powder or granules, odorless.
Boiling Point	Not applicable (does not melt; chars/decomposes on strong heating)
Melting Point	Not applicable; decomposes above approximately 227 C rather than melting
Flash Point	Not applicable (non-flammable solid); fine dust can be combustible
Density / Specific Gravity	Approximately 1.6 (true density); bulk density approx. 500-800 kg/m3
Water Solubility	Soluble in water, forming a viscous colloidal solution/gel; insoluble in most organic solvents
pH Value	Approximately 6.5-8.5 (1% aqueous solution)

10. STABILITY AND REACTIVITY

Stability	Stable under normal storage conditions; hygroscopic; can degrade slowly under prolonged exposure to strong acids, oxidizers, or extreme heat.
Incompatible Materials	Strong oxidizing agents, strong acids.
Hazardous Decomposition	Thermal decomposition/combustion produces carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Summary	Very low acute toxicity (rat oral LD50 typically well above 5,000 mg/kg); an inert, non-absorbed food thickener/stabilizer with an extensive history of safe use; not classified as an irritant, sensitizer, mutagen, or carcinogen; dust may cause mild transient mechanical irritation to eyes/respiratory tract.

12. ECOLOGICAL INFORMATION

Summary	Low toxicity to aquatic organisms; biodegrades more slowly than natural cellulose due to chemical substitution, but is generally regarded as of low environmental concern at typical use and disposal levels.

13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of in accordance with local/national regulations; non-hazardous solid waste; avoid large discharge to waterways as it can increase water viscosity.

14. TRANSPORT INFORMATION

UN Number	Not regulated for transport
Transport Hazard Class	Not regulated
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Approved food additive/thickener-stabilizer-emulsifier (E466) under Codex Alimentarius, US FDA (GRAS), and EU food regulations; combustible-dust precautions are recommended for bulk powder handling even though the substance is not GHS health-hazard classified.

16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

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