

MATERIAL SAFETY DATA SHEET

FOR CARBOXYMETHYL CELLULOSE

Version : 03-2
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SECTION 1 – IDENTIFICATION OF SUBSTANCE

Product : CARBOXYMETHYL CELLULOSE, SODIUM also known as CMC

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

FORMULATION : Cellulose + NaOH+ MCA /SCMA → NaCMC+NaCl
CAS no : 9004-32-4

Components (dry basis)	Technical Grades %	Pure Grades %	Highly Purified Grades %
Carboxymethyl Cellulose (CMC)	min. 60	up to 99,5	min. 99,5
Sodium chloride (NaCl)	max. 40	min. 0,5	max. 0,5

SECTION 3 – HAZARDS IDENTIFICATION

- No particular hazards known, based on the available data the product is not dangerous.

SECTION 4 – FIRST AID MEASURES

Skin Contact : In case of contact with skin wash with warm water.
Eye Contact : In case of contact with eyes rinse thoroughly with water.
Inhalation : In case of inhalation move person to fresh air and seek medical assistance.
Ingestion : In case of ingestion consult a doctor whether a stomach washout is necessary.

SECTION 5 – FIRE-FIGHTING MEASURES

- Water Spray
- Foam
- Sand
- Extinguishing Powder
- Carbon Dioxide

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Precautions : Extremely slippery wet material on walking grounds when mixed with water.
Environmental : Use of water is not recommended.
Methods for cleaning up : Collect by vacuum or shoveling while avoiding dust formation.

SECTION 7 – HANDLING AND STORAGE

Handling : Keep formation of dust minimum. Use dust suction and ventilation.
Storage : Store in a dry place. Use original packing for humidity and water protection.
Explosion and fire : No special measures required.

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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection : Safety goggles
Hand Protection : Use gloves if long exposure is necessary
Equipment : If handling generates dust use ventilation .

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Color : Off white to Snow White
Form : Powder or Granules
Odor : Odorless
pH : 7-11 (1% solution)
Bulk Density : 500-800 kg / m³
Solubility : In water
Flash Point : Not applicable
Auto Ignition : Above 350°C

SECTION 10 – STABILITY AND REACTIVITY

Stability : Stable under normal conditions (section 7)
Conditions to avoid : Strong Oxidizers

SECTION 11 – TOXICOLOGICAL INFORMATION

Dermal Toxicity : None
Oral Toxicity : Excessive inhalation may cause minor irritation
Effect on Eyes : None

SECTION 12 – ECOLOGICAL INFORMATION

Degradability : Unknown
Fish Toxicity : Negative influence only in high concentrations.

SECTION 13 – DISPOSAL CONSIDERATIONS

- According to the local regulations.

SECTION 14 – TRANSPORT INFORMATION

- A non hazardous product for Land, Maritime and Air transport.
- No restrictions and labeling is required. NOT DANGEROUS & NOT RESRICTED AS PER IATA REGULATIONS.

SECTION 15 – REGULATIONS INFORMATION

- There are no other regulations applicable for this product for its handling, transportation packing, etc....

SECTION 16 – OTHER INFORMATION

All data provided in this booklet is only for information and they are true at the time of printing. It makes no warranty, guarantee concerning the use of product alone or in combination with other products in case of an unexpected event occurs. Users are advised to make their own tests to determine the suitability of each product.