

SAFETY DATA SHEET

This Safety Data Sheet is in accordance with Regulation (EC) No 1907/2006.

Version: 05

Date: 07.08.2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Trade Name : CMC CARBOXYMETHYL CELLULOSE
Product Name : (This MSDS covers all Technical Grades CMC products)
Chemical Name : CARBOXYMETHYL CELLULOSE SODIUM SALT
Other Names : SODIUM CARBOXYMETHYL CELLULOSE, CARBOXYMETHYL CELLULOSE, CMC, NACMC.

Use of the substance/preparation

Rheology control agent for industrial applications.

Company/undertaking identification

Supplier :

BES Kimya San.Tic.Ltd.

Dereboyu Cad. Gözlükçü Sok.4/2 Ortaköy

34347 Istanbul / TURKEY

T : +9 0212 227 40 80

F : +9 0212 227 40 77

2. HAZARDS IDENTIFICATION

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization : Carboxymethyl Cellulose Sodium Salt
CAS No : 9004-32-4

Name of the ingredients	Concentration %	CAS No	EINECS No	Warning symbol, R phrases and other data
Sodium Carboxymethyl Cellulose *	min. 55 **	9004-32-4	N/A	N/A
Sodium Chloride *	max. 33 **	7647-14-5	231-598-3	N/A
Sodium Glycolate *	max. 12 **	2836-32-0	220-624-9	N/A
Moisture	max. 10 **	7732-18-5	231-791-2	N/A

* dry basis. ** only as indication for general information, refer to Analysis Certificate, Technical Data Sheets or Product Information Sheets for definite information on each ingredients as well as exact chemical properties of the products.

4. FIRST AID MEASURES

Special Instructions : Not any
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.

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Ingestion : In case of ingestion consult a doctor whether a stomach washout is necessary.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray jet, alcohol resistant foam, carbon dioxide.
Extinguishing media which shall not be used for safety reasons : Not determined.
Special exposure hazards in a fire : Smoke can contain alkaline fumes and carbon monoxide (CO).
Special protective equipment for fire-fighters : Self-contained breathing apparatus.
Other instructions : With water the product forms very slippery surfaces. Burns slowly.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid dust formation, the material is slippery when mixed with water.
Environmental precautions : Collect spills of the material, avoid material to enter drains.
Methods for cleaning up : dry collect the material and avoid using water for this purpose.
Other instructions : Refer to section 8 for personal protective equipment.

7. HANDLING AND STORAGE

Handling : Avoid formation of dust and contact with water.
Storage : Keep in dry and humidity free places.
Other instruction : Not any.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Not determined.

Exposure controls

Occupational exposure controls : Exhaust ventilation for places where dust is formed.
Respiratory protection : Particle-filterin half-mask, particle filter P2
Hand protection : Protective gloves
Eye protection : Safety goggles
Skin protection : Normal clothes
General protective measures : Avoid contact with skin and eyes, do not inhale dust.
Environmental exposure controls: Not any

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

White or yellowish, odourless powder or granulates

Important health, safety, explosive, solubility and environmental information

pH : 6 – 11 (1% solution)
Boiling point/range : Not available

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Flash point : Not available

Flammability : Not available

Ignition temperature : Not available

Lower explosive limit : min. 125 g/m³

Upper explosive limit : Not available

Oxidising properties : None

Vapour pressure : Not available

Bulk density : 500 – 700 kg/m³

Solubility in water : > 120 g/l or more

Partition coefficient : Pow < -0,1 for all ingredients

n-octanol/water

Viscosity (cps) : 10 – 10.000 (% 2 - 25°C Brookfield LVT)

Vapour density : Not available

Evaporation rate : Not available

Other information : Not soluble in fat

10. STABILITY AND REACTIVITY

Conditions to avoid : Not known

Materials to avoid : Oxidizing materials

Hazardous decomposition products : Alkaline Na₂O

Thermal decomposition limit : > 190°C

11. TOXICOLOGICAL INFORMATION

Acute oral toxicology : LD₅₀ > 27.000mg/kg (rat)
LD₅₀ > 16.000mg/kg (pig quinea)

Acute inhalation toxicity : LC 50 > 5,5mg/l (rat)

Acute dermal toxicity : LD₅₀ > 2.000mg/kg (rabbit)

Irritation and corrosiveness : None

Sensitisation : May cause irritation on sensitiv people

Mutagenicity : Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity and aquatotoxicity : LC₅₀ > 21.000mg/l (trout, 96hrs)
LC₅₀ > 56.0000mg/l (salt water stickle back, 96 hours)

Biodegradability : Bioegradable, but slowly. BOD₇/COD: 0,05-0,3

Mobility : Not available

Bioaccumulative potential : None

Other adverse effects : Not determined

13. DISPOSAL CONSIDERATIONS

In compliance with local authority regulations.

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14. TRANSPORT INFORMATION

ADR : not restricted
ADNR : not restricted
RID : not restricted
IATA : not restricted
IMDG : not restricted
Shipping names : Carboxymethyl Cellulose, CMC.

15. REGULATORY INFORMATION

Hazard warning labelling : Not compulsory
R phrases : None

16. OTHER INFORMATION

Restrictions on use : Not available
Sources of key data : Literature

Supersedes Version: 04 Date: 02.12.2008

The data provided in this safety data sheet is only for information and based on our knowledge, common practices and literature and intended to describe the product in terms of safety. It makes no warranty, guarantee concerning the use of the 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 for their intended and individual use.