

SAFETY DATA SHEET

(RG, 13.12.2014, No-29204) It complies with the Regulation on Safety Data Sheets on Hazardous Substances and Mixtures.

Substance/Mixture Name	Carboxymethyl Cellulose	Regulation Date	2.01.2025
		Editing Date	
Form No	044.200.10	Number Of Editing	1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name : [Carboxymethyl Cellulose](#)
 Form No/GBF No : 044.200.10
 Brand : [Tito](#)
 E Code : E466
 EC No : No additional information available
 CAS No : 9004-32-4
 Country of Origin : Türkiye (The origin of the main component is different from the origin of the final product).
 Functional Class : Thickeners, Brighteners
 Source : Cellulose

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Manufacturing of products in food and various industries.
 Foods that can be added : It is used in permitted finished products, taking into account the relevant limitations, in accordance with the regulations in the Turkish Food Codex, Food Additives Regulation and vertical communiqué. If the food laws are not explained enough, please apply to the Food Law Authorities in your country.
 Uses advised against : No additional information available.

1.3 Details of the supplier of the tds Identification of the company

Name of Food Manufacturer : Smart Kimya Ticaret ve Danışmanlık Limited Şirketi
 Address of Food Manufacturer : 3AO, 8901/3 Street, Balatçık Neighborhood, Ege Industrial Site, Çiğli/İzmir
 Central Address : 10016 Street No:18 AOSB Çiğli/İzmir
 Manufacturer Registration Number : TR-35-K-047442
 Telephone : 0850 441 00 22
 Email Address : s@hammaddeler.com
 Websites : hammaddeler.com - gbf.com.tr

1.4 Emergency Phone Number

National Toxic Information Center (UZEM): 114

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of Substance and Mixture

Classification according to Regulation (EC) No 28848/2013

It is not a hazardous substance or mixture according to the Regulation on Classification, Labelling and Packaging of Substances and Mixtures published in the Official Gazette dated 1 December 2013 and numbered 28848.

2.2 Label elements

Labelling according Regulation (EC) No 28848/2013

Pictogram : Not applicable
 Signal word (SEA) : Not applicable
 Hazard Statements (SEA) : Not applicable
 Precautionary statement(s) : Not applicable
 Supplemental Hazard Statements : None

2.3 Other hazards

No additional information available.



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SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component Name	EC No	CAS No	Concentration (%)	(RG, 11.12. 2013, No 28848) Classification in accordance with the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" (SEA)
Carboxymethyl Cellulose	No additional information available	9004-32-4	%100	Not classified

3.2 Mixtures

Not applicable.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Immediate medical attention is not required. In all cases of doubt, or when symptoms persist, seek medical attention. Show SDS to the doctor in attendance.

Following inhalation

Move to a fresh air atmosphere. In case of persistent symptoms, consult a doctor. Get medical attention for any breathing difficulty

In case of skin contact

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

After eye contact

Wash affected eyes for at least 15 minutes under running water with eyelids held open until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.. If irritation persists, seek medical attention

Following ingestion

In case of consumption in large quantities, it is recommended to seek medical assistance. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Drink 200-300 ml of water or milk as a precaution. Remove the victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment (decontamination, vital functions).

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Fight the fire using water spray, sand, dry powder or foam

5.2 Special hazards arising from the substance or mixture

Combustion Products/Hazardous decomposition: Carbon monoxide, carbon dioxide, steam and smoke.

5.3 Advice for firefighters

Keep away from heat, sparks and flames. Avoid excess dust in the atmosphere since this is an explosion hazard in the presence of electrical sparks and static. Impervious gloves. Use goggles. Use a dust mask.

5.4 Additional information

No additional information available.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation of dust and contact with skin and eyes. Pay attention to slippery floors and surfaces in case of spillage. Provide adequate ventilation. Provide adequate ventilation in confined spaces. Isolate leaks provided that there is no additional risk for the people performing this task. Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment. Avoid dust formation. Wet floors on which this powder is spilt may become very slippery. This powder when dispersed in air represents an explosion hazard. Sweep up this product for use or place in a container for disposal.

6.2 Environmental precautions

Discharge into the environment must be avoided. This product is not classified as hazardous to the environment. Keep product away from drains, surface and groundwater. Avoid spilling on soil or watercourse. If large quantities contaminate the environment, inform the relevant authorities. No special measures required.

6.3 Methods and material for containment and cleaning up

If possible, stop the leak provided there is no danger. Flush with plenty of water to clean the spill area. Prevent wash water from entering the environment. Collect mechanically. Dispose of the material collected according to official regulations. For any concern related to disposal consult section 13.

For large amounts, pump off product.

6.4 Reference to other sections

See Section 7 for information on safe handling. Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13. See Section 11 for additional information on health hazards.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Read and follow the manufacturer's recommendations. Avoid inhalation of dust and contact with skin and eyes. Do not wear contact lenses. There should be eye wash facilities and shower facilities for dangerous situations when working with this product. Careful personal cleaning is required. Wash hands and contaminated areas before leaving the workplace. Do not eat, drink or smoke during use. Consider the necessary chemical hygiene measures. Provide good ventilation. Use mechanical ventilation for processes that generate steam. The container should be tightly closed. Protect from direct sunlight. Prevent formation of dust. No special precautions are necessary if used correctly. Handle in a well ventilated area. The fine particles and powder should be regarded as an inert, nuisance dust with a threshold limit value of 10mg/m³ for total dust and of 3mg/m³ for the respirable portion. Avoid static build-up when emptying big bags. Earth all equipment and attach a grounding cable to the bag grounding connection. There should be eye wash facilities and shower facilities for dangerous situations when working with this product. Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used. The product is not flammable. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

7.2 Conditions for safe storage, including any incompatibilities

Product should be stored, under cover, in a clean wet ventilated area. Maintain a clean area by removing dust. Keep away from heat, sparks and other sources of ignition. Store in a dry area. The packaging material should have reasonable moistures and air barrier properties. Store in a cool, dry place in tightly closed receptacles.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with Workspace Control Parameters

No additional information available.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Handle in a well-ventilated area. Normal industrial hygiene measures should be sufficient.

8.2.2. Personal protection equipment

General Protective and hygienic measures

Wash hands before breaks and at the end of work. The usual precautionary measures are to be adhered to when handling chemicals. Avoid contact with the eyes. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Handle in accordance with good industrial hygiene and safety practice.

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Eye/face protection

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in the work area.

Hand protection

Use Impervious gloves.

Body Protection

Not required.

Respiratory protection

Use suitable respiratory protective devices in case of insufficient ventilation.

Health Precautions

Wash hands at every shift change and before eating, smoking and using the toilet. If skin becomes contaminated, wash immediately with soap and water. Do not eat, drink or smoke during use. Take off immediately all contaminated clothing. Separate contaminated clothing and wash before reuse.

8.2.3. Environmental exposure controls

No additional information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Free flowing powder or granulate
Colour	: Light cream to white
Odour	: Odorless
pH(25°C)	: 6.5-8.5 (2% solution)
Solubility	: Complete in water
Melting point/Freezing point	: 300°C
Flash Point	: No additional information available
Explosion Limit-lower	: 165 g/m (dust)
Auto-Flammability	: ~370°C (dust)

9.2 Other information

No additional information available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional hazardous chemicals are known to be formed when used as directed in this application.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications. This product is chemically stable

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No additional information available.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxic Effects

Acute toxicity

This product is not metabolized in the body. No adverse effects known as a result of ingestion.

LD50 rat > 2000mg/kg.

Serious eye damage/irritation

This product should not be regarded as an eye irritant.

Skin corrosion/irritation

This product is not absorbed percutaneously in rats, rabbits or humans. This product is believed not to cause skin irritation or sensitization.

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Respiratory or skin sensitization

No additional information available.

Germ cell mutagenicity

No additional information available.

Carcinogenicity

No additional information available

Reproductive toxicity

No additional information available.

Specific target organ toxicity – Single exposure

No additional information available.

Specific target organ toxicity - repeated exposure

No additional information available.

Aspiration Toxicity

No additional information available.

Additional Information

No dangerous decomposition products known.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

The four days median tolerance limit (TL50) of rainbow trout and bluegills under static conditions is greater than 100 parts product per million parts of water.

96 h static test LC 50 Oncorhynchus mykiss (rainbow trout): > 100.00 mg/L.

96 h static test LC 50 Lepomis macrochirus (Bluegill sunfish): >100.00 mg/L.

In addition no adverse reactions were noted in the fish exposed to this product.

These results demonstrate that sodium CMC has a low order of toxicity in fish.

12.2 Persistence and degradability

This product does not represent a long term ecological problem. It is slowly biodegradable.

12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information

General notes: Not known to be hazardous to water

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

Very toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

General information

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with local requirements. When handling waste, the measures taken for the product itself are applied.

Must be disposed of or incinerated in accordance with local regulations. Environmental officers will be informed about all major spills.

It should not leak into sewers, waterways or soil. Dispose of waste in an approved incinerator or waste treatment / disposal facility in accordance with all applicable regulations.

Recommendation

Waste incineration or special disposal with the approval of the responsible local authority. Smaller quantities can be disposed of with household garbage.

Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.



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Contaminated packaging

Uncontaminated packaging can be reused. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

Uncleaned packaging

Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning. NPackaging that may not be cleansed must be disposed of in the same manner as the product. Dispose of packaging according to regulations on the disposal of packaging.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number or ID number

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.2. UN proper shipping name

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.3. Transport hazard class(es)

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.4. Packing group

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.5. Environmental hazards

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.6. Special precautions for user

No additional information available.

14.7. Bulk transportation according to MARPOL 73/78 annex II and IBC code

No additional information available

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation on Classification, Labeling and Packaging of Substances and Mixtures (SEA) published in the Official Gazette dated December 1, 2013, bis numbered 28848.

- Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (KKDIK) published in the Official Gazette dated June 23, 2017 and numbered 30105.

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16. OTHER INFORMATION

Waiver Statement

The information presented in this safety data sheet is based on the information we already have. Although the information is reliable, it should not be considered accurate and complete. The prepared safety data sheet does not constitute a guarantee and should be used as a guide. This information has been prepared specifically for the substance or mixture in question, and may not be valid for compounds and processes made with other substances. and may vary depending on other raw materials; For this reason, the person or institution purchasing the products freely decides to use the product after evaluating its suitability for its own use, its impact on environmental conditions, its effects on occupational health and safety. Hammaler.com, Smart Kimya Tic. and Dan. Ltd. Şti., our representatives and solution partners cannot be held responsible for the use of this information.