



# MATERIAL SAFETY DATA SHEET

## FOR CARBOXYMETHYL CELLULOSE

Version : 03-2  
Date : 24.04.2007

### SECTION 1 – IDENTIFICATION OF SUBSTANCE

**Product** : CARBOXYMETHYL CELLULOSE, SODIUM also known as CMC  
**Commercial Name** : USK  
**Manufacturer** : UGUR SELULOZ KİMYA MAKİNA ve GIDA SAN. ve TIC. A.Ş.  
**Address** : O.S.B. Umurlu / AYDIN - TURKEY  
**Phone** : +90 256 2591144  
**Fax** : +90 256 2591004

### 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 / m<sup>3</sup>  
**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.