

# Material Safety data sheet

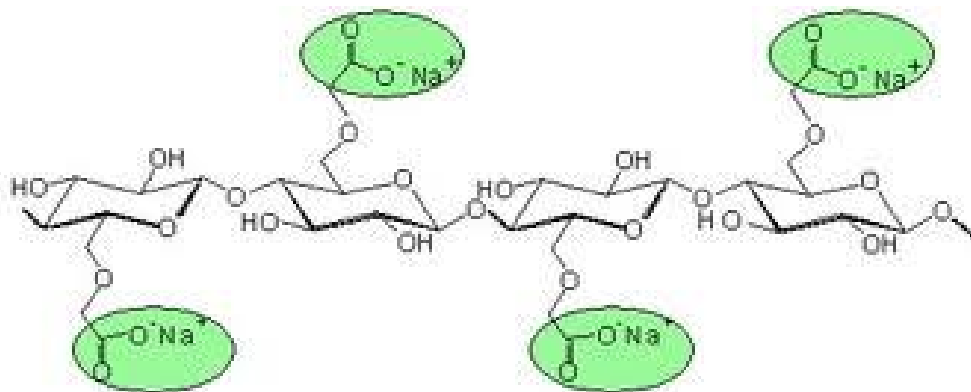
## Section one

### Chemical product and company identification

Product name	Carboxymethyl cellulose
Manufacturer	Al Amreya for chemicals and detergents
Main usage	Viscosifier and/or fluid loss reducer for water-based muds Works as a tylose replacer in detergent industry
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## SECTION 2

### COMPOSITION AND SPECIFICATIONS



CHEMICAL NAME : sodium carboxymethyl cellulose

Cas No. : 9004-32-4

Content : 100 wt %

Risk: NC

### **SECTION 3**

#### **HAZARD IDENTIFICATION**

Not regarded as a health hazard under current legislation. However exposure limits detailed in section 8 should be observed. Spilt powder that becomes wet can render surfaces extremely slippery

### **SECTION 4**

#### **FIRST-AID MEASURE**

##### **Inhalation :**

Keep the affected person warm and at rest. Get prompt medical attention. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration.

##### **Ingestion :**

Immediately rinse mouth and provide fresh air. Never give anything by mouth to an unconscious person. Get medical attention immediately.

##### **Skin Contact :**

Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

##### **Eye Contact :**

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately

### **SECTION 5**

#### **FIRE-FIGHTING MEASURES**

##### **Specific Hazard:**

Non Combusting material.

##### **Fire Fighting Advice:**

High concentration of dust may result in potentially explosive atmosphere. Avoid heat sparks and all sources of ignition

Fire fighters to wear self – contained breathing apparatus and suitable protective clothing if risk of exposure to products decomposition.

**Suitable Extinguishing Media:**

Not combustible, however, if material is involved in a fire use: Dry agent (carbon dioxide, dry chemical powder, spray, fog or sand).

**SECTION 6**  
**ACCIDENTAL RELEASE MEASURES**

Wear protective clothing and equipment. If spilled material becomes wet, it may be slippery underfoot. Wear safety slip-proof shoes during clean-up operation. For further information on suitable protective clothing see section 8 of the safety data sheet " Exposure Controls and Personal Protection"

**SPILL CLEANUP METHODS:**

Sweep up and reclaim or transfer to waste containers as appropriate, avoiding the creation of excess dust.

**SECTION 7**  
**HANDLING AND STORAGE**

**Usage precautions**

Avoid spilling, skin and eye contact. Avoid creating dust during use. Protective measures during handling are detailed in section 8

**Storage precautions**

Keep in cool, dry, ventilated storage and closed containers. Keep away from heat sparks, and open flame

**SECTION 8**  
**EXPOSURE CONTROL/PERSONAL PROTECTION**

Cas No.: 9004-32-4

STD: NUI (Nuisance Dust)

Exposure limit for respirable dust is 5 mg/m<sup>3</sup> (8 Hour TWA)

Exposure limit for total inhalable dust is 10 mg/m<sup>3</sup> (8 Hour TWA)

**PROTECTIVE EQUIPMENT**

**Respirators:**

Exposure should be avoided/controlled by ventilation or extraction if exposure limits are likely to be exceeded. Wear suitable dust mask.

**Protective gloves:**

Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of rubber, neoprene or PVC

**Eye protection:**

Wear safety glasses or goggles at all times

**Hygienic work practices:**

Wash at the end of each work shift and before eating, smoking and using the toilet

**SECTION 9****PHYSICAL AND CHEMICAL PROPERTIES**

Form : powder

Color : white

Odor : odorless or no characteristic odor

Solubility: completely soluble in water. Insoluble in organic solvents

pH : moderate (6.5-10.5)

boiling point: decomposes above 250C

Bulk density: 450 kg/m<sup>3</sup>

Concentration (% ,M) : (2% soln)

Auto ignition temperature: >360

Partition coeff. (log pow): <0

**SECTION 10****STABILITY & REACTIVITY****Stability :**

Stable

**Conditions to avoid:**

Avoid contact with strong oxidizing agents

**Hazardous Decomposition Products :**

Fire or high temperature create oxides of carbon

**Hazardous Polymerization :**

Will not occur

**Comments**

Contact with acids will cause gelling and the evolution of heat.

Prolonged contact with aluminum may produce flammable hydrogen

## **SECTION 11** **TOXICOLOGICAL INFORMATION**

### **Local Effect :**

Skin irritation : rat >2000 mg/kg

Eye irritation : rat >2000 mg/kg

### **Inhalation**

Non hazardous, treat only as nuisance dust

### **Ingestion**

Low oral toxicity

### **Skin**

No adverse effects noted for this product

### **Eyes**

My cause mild mechanical irritation

## **SECTION 12** **ECOLOGICAL INFORMATION**

Product is on the PLONOR list ie. Poses little or no risk to the environment. Fish Toxicity

96hr LC0 (Brachydanio rerio)>2000 mg/l

96hr LC100 (Brachydanio rerio)>4000 mg/ l

Bacterial Toxicity EC50>10000 mg/l

## **SECTION 13** **DISPOSAL CONSIDERATION**

Dispose of all waste and contaminated equipment in accordance with federal, state and local requirements

**SECTION 14**  
**REGULATORY INFORMATION**

[CLASSIFICATION] :

R20/21/22 – Harmful by inhalation, in contact with skin and if inhaled

R35 - Causes severe burns

R36/37/38 - Irritating to eyes, respiratory systems and skin.

S2 - Keep out of the reach of children.

S7 - Keep container in tightly closed

S36/37 - Wear suitable protective clothing and gloves

**SECTION 15**  
**OTHER INFORMATION**

REFERENCES :

- 1) Guidebook for GHS Classification and Labelling, March, 2008
- 2) Purple Book Rev 2, 2007
- 3) UNRTDG Orange Books 14th edition

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