

Shanghai Aladdin Biochemical Technology Co., Ltd.  
No. 809, Chuhua Branch Road, Fengxian District, Shanghai

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2023-11-25  
Print Date: 2023-12-03

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Carboxymethyl cellulose  
Product Number : C104981  
Brand : aladdin  
CAS-No. : 9004-32-4

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

Identified uses : 仅供科研用途，不作为药物、家庭备用药或其它用途。

### 1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co.,Ltd  
Address : 36 Xinjinqiao Road, Shanghai  
Telephone : 400-620-6333  
Fax : no data available

### 1.4 Emergency telephone number

Emergency Phone : 0532-83889090

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

### 2.2 GHS Label elements, including precautionary statements

Pictogram : no data available  
Signal word : Warning  
Hazard statement(s)  
H313 : May be harmful in contact with skin  
H402 : Harmful to aquatic life  
Precautionary statement(s)

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms : Carboxymethylcellulose sodium salt Carboxymethyl cellulose, sodium salt  
Carboxymethyl cellulose Sodium Tylose CMC Tylose Sodium Sodium Cellulose Glycolate

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Formula	: (C <sub>6</sub> +2yH <sub>7</sub> +x+2yO <sub>2</sub> +x+3yNay)n
Molecular weight	: no data available
CAS No.	: 9004-32-4
EC-NO.	: no data available

Component	Classification	Concentration
Carboxymethyl cellulose		
	no data available	M.W. 250000(DS=0.7) ,1500-3100mPa.s

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice

请教医生。向到现场的医生出示此安全技术说明书。

If inhaled

no data available

In case of skin contact

用肥皂和大量的水冲洗。请教医生。

In case of eye contact

谨慎起见用水冲洗眼睛。

If swallowed

用水雾，耐醇泡沫，干粉或二氧化碳灭火。

### 4.2 Most important symptoms and effects, both acute and delayed

最重要的症状和健康影响据我们所知，此化学，物理和毒性性质尚未经完整的研究。

### 4.3 Indication of any immediate medical attention and special treatment needed

如有必要，佩戴自给式呼吸器进行消防作业。

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

no data available

Unsuitable extinguishing media

碳氧化物,氧化钠

### 5.2 Special hazards arising from the substance or mixture

使用个人防护装备。避免粉尘生成。避免吸入蒸气、气雾或气体。保证充分的通风。避免吸入粉尘。

### 5.3 Advice for firefighters

无数据资料

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## 5.4 Further information

no data available

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Do not generate dust during collection and disposal. Sweep and shovel away. Place in a suitable closed container for processing

### 6.2 Environmental precautions

no data available

### 6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No data available

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place.

### 7.3 Specific end use(s)

no data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

no data available

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after

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use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

Body Protection

no data available

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection,use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

Control of environmental exposure

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	form: powder color: light brown
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	6.5 - 8.5
e) Melting point/freezing point	260 °C (500 °F)
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties N	no data available
t) Oxidizing properties N	no data available

### 9.2 Other safety information

no data available

## SECTION 10: Stability and reactivity

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## 10.1 Reactivity

no data available

## 10.2 Chemical stability

在建议的贮存条件下是稳定的

## 10.3 Possibility of hazardous reactions

no data available

## 10.4 Conditions to avoid

吸入可能有害。可能引起呼吸道刺激。

## 10.5 Incompatible materials

吞咽可能有害。

## 10.6 Hazardous decomposition products

LD50 经口- 大鼠- 27,000 mg/kg LD50 经皮- 家兔- > 2,000 mg/kg 皮肤腐蚀

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

无数据资料

Serious eye damage/eye irritation

通过皮肤吸收可能有害。可能引起皮肤刺激。

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

此产品中无大于或等于0.1%含量的组分被IARC鉴别为可能的或肯定的人类致癌物。

Carcinogenicity

无数据资料

Reproductive toxicity

化学物质毒性作用登记:无数据资料

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

可能引起眼睛刺激。

Aspiration hazard

对鱼类的LC50 - *Oncorhynchus mykiss* (虹鳟) - 100 - 1,000 mg/l- 96 h对水蚤和其他水生无脊椎动物的EC50 - *Daphnia* (水蚤) - 87.26 mg/l- 48 h

Additional Information

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no data available

## SECTION 12: Ecological information

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

Toxic to aquatic organisms and has long-lasting effects. Avoid release into the environment.

## SECTION 13:

### 13.1 Disposal considerations

Product

no data available

Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

DOT (US)

UN number: no data available

Packing group: -

Class: -

Proper shipping name: Not dangerous  
goods

Reportable Quantity(RQ): no data  
available

Poison Inhalation Hazard: No

Environmental Hazards: No

IMDG

UN number: no data available

Packing group: -

EMS-No: No

Proper shipping name: Not dangerous goods

IATA

UN number: no data available

Packing group: -

Class: -

Proper shipping name: Not dangerous goods

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## SECTION 15: Regulatory information

no data available

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## SECTION 16: Other information

Further information

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