



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product name : Carboxymethyl Cellulose Sodium Salt (n=approx. 1,050)
Product code : C0603

Recommended use of the chemical and restrictions on use

Research use

Manufacturer or supplier's details

Company : TOKYO CHEMICAL INDUSTRY CO., LTD.
Address : 6-15-9 Toshima, Kita-ku, Tokyo 114-0003, Japan
Responsible Department : Global Business Department
Telephone : +81-3-5640-8878
Telefax : +81-3-5640-8902
E-mail address : globalbusiness@tcichemicals.com

Supplier contact details in Korea

Company : SEJIN CI Co., Ltd.
Address : 20, Sinmok-ro, Yangcheon-gu, Seoul 08015, Korea
Telephone : (02) 2655 2480

2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

GHS label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Other hazards which do not result in classification

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Components

Chemical name	Common Name	CAS RN	Concentration (% w/w)
Carboxymethyl Cellulose Sodium Salt	Cellulose, Carboxymethyl ether, Sodium salt	9004-32-4	<= 100

4. FIRST AID MEASURES

In case of eye contact : Rinse with plenty of water.
If easy to do, remove contact lens, if worn.
If eye irritation persists: Get medical advice/ attention.

In case of skin contact : Take off all contaminated clothing immediately.
If on skin, rinse well with water.
If skin irritation or rash occurs: Get medical advice/ attention.

If inhaled : Remove person to fresh air and keep comfortable for breathing.
Get medical advice/ attention if you feel unwell.

If swallowed : Get medical advice/ attention.
Rinse mouth.

Other precautions by physician : No data available

Most important symptoms and effects, both acute and delayed : None known.

5. FIRE-FIGHTING MEASURES

Suitable and unsuitable extinguishing media

Suitable extinguishing media : Dry powder, Foam, Water spray, Carbon dioxide (CO₂)

Specific hazards during fire fighting : No information available.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Immediately evacuate personnel to safe areas.
Remove undamaged containers from fire area if it is safe to do so.

Special protective equipment for fire-fighters : Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Keep people away from and upwind of spill/leak.
Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions : Prevent product from entering drains.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.

7. HANDLING AND STORAGE

Technical measures : Prevent dispersion of dust.

Local/Total ventilation : Ensure adequate ventilation.
Use a local exhaust ventilation.

Advice on safe handling : Avoid contact with skin, eyes and clothing.
Wear personal protective equipment.
Wash hands and face thoroughly after handling.

Conditions for safe storage : Keep container tightly closed.
Store in a cool and shaded area.
Protect from moisture.
Keep under inert gas.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Install a closed system or local exhaust.
Also install safety shower and eye bath.

Personal protective equipment. Among the following personal protective equipment, the PPEs which require safety certification need to be certified by KOSHA.

Respiratory protection : Dust mask

Eye protection : Safety glasses
Face-shield

Hand protection : Protective gloves
Skin and body protection : Protective suit

*Use personal protective equipment(PPE) approved under appropriate government standards and follow local and national regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: solid
Color	: white - yellow
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapor pressure	: No data available
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Relative vapor density	: No data available
Relative density	: No data available
Partition coefficient: n-octanol/water (log value)	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available

10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions	: Reactivity: No data available Chemical stability: Stable under normal conditions. Possibility of hazardous reactions: None under normal processing.
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Conditions to avoid	:	Exposure to moisture.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	Carbon monoxide, Carbon dioxide (CO ₂)

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	No data available
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Health hazard information

Acute toxicity

Components:

Carboxymethyl Cellulose Sodium Salt:

Acute oral toxicity	:	LD50 (Rat): 27,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	:	LC50 (Rat): > 5,800 mg/m ³ Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 (Rabbit): > 2 g/kg Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

Respiratory sensitization

No data available

Skin sensitization

No data available

Carcinogenicity

Components:

Carboxymethyl Cellulose Sodium Salt:

No data available

Germ cell mutagenicity

Components:

Carboxymethyl Cellulose Sodium Salt:

No data available

Reproductive toxicity

Components:

Carboxymethyl Cellulose Sodium Salt:

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Repeated dose toxicity

No data available

Aspiration toxicity

No data available

Experience with human exposure

No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

No data available

RTECS No. : FJ5950000 (Carboxymethyl Cellulose Sodium Salt)

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Disposal in accordance with local and national regulations.
Entrust disposal to a licensed waste disposal company.

Contaminated packaging : Disposal in accordance with local and national regulations.
Before disposal of used container, remove contents completely.

Disposal precautions

Dispose of contents and container according to wastes control act.

14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

UN/ID No. : Not applicable
Proper shipping name : Not applicable
Class : Not applicable

Subsidiary risk : Not applicable
Packing group : Not applicable

IMDG-Code

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
EmS Code : Not applicable

15. REGULATORY INFORMATION**National regulatory information****Regulation under the Occupational Safety and Health Act****Harmful Substances Prohibited from Manufacturing**

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

Harmful Agents to be kept below Occupational Exposure Limits

Not applicable

Harmful Agents Required to be kept below Permission Levels

Not applicable

Hazardous substances requiring management

Not applicable

Special Management Materials

Not applicable

Controlled Substances Subject to Environment Monitoring

Not applicable

Controlled Substances Subject to Health Examination

Not applicable

Hazardous Substances Subject to Process Safety Management (PSM) Reporting Obligation

Not applicable

K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 1)

Not applicable

K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 9)

Not applicable

Regulation under the Chemicals Control Act**Toxic Chemicals**

Not applicable

Restricted Chemicals

Not applicable

Prohibited Chemicals

Not applicable

Toxic Release Inventory

Not applicable

Accident Precaution Chemicals

Not applicable

Dangerous Substances Safety Management Act

No information available

Waste Control Act

Industrial general wastes

Follow article 13 of the act to dispose the product waste

Other regulations under domestic and foreign laws

Not applicable

16. OTHER INFORMATION

Issuing date : 2025/01/21

Revision number and date

Number of Revision : 1.1

Revision Date : 2025/11/03

Date format : yyyy/mm/dd

This SDS was prepared sincerely based on the information obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling operations, sufficient care should be taken, in addition to the safety measures suitable for the given situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

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