



Material Safety Data Sheet

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

Product name Sodium Carboxymethyl Cellulose also known as CMC

CAS No. 9004-32-4

Company name Shijiazhuang Shangdun Cellulose Co., Ltd

Address No.169, Zhufeng Street, Shijiazhuang, Hebei, China

Emergency telephone number 0086-0311-67797705

Telephone 0086-0311-84339195

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: solid, powder, off-white

MAY FORM COMBUSTIBLE DUST-AIR MIXTURES.

Potential Health Effects

Exposure routes

Inhalation, Skin contact, Eye Contact, Ingestion

Eye contact

Unlikely to cause eye irritation or injury.

Skin contact

Unlikely to cause skin irritation or injury.

Ingestion

Swallowing this material is not likely to be harmful.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).





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Aggravated Medical Condition

No data.

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, irritation (nose, throat, airways)No symptoms known or expected.

Target Organs

No data.

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA). This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

Reproductive hazard

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria.

4. FIRST AID MEASURES

General Information

No hazards which require special first aid measures.

Eves

Remove contact lenses. Protect unharmed eye.

Skin

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

Ingestion

Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Inhalation

If breathed in, move person into fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.





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Notes to physician

Hazards: No information available.

Treatment: No hazards which require special first aid measures.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment., Water spray, Foam

Hazardous combustion products

carbon dioxide and carbon monoxide

Precautions for fire-fighting

Organic dusts at sufficient concentration can form explosive mixtures in air.Do not allow run-off from fire fighting to enter drains or water courses. In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

NFPA Flammable and Combustible Liquids Classification

Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Avoid dust formation. Avoid breathing dust. Material can create slippery conditions. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Other information

Comply with all applicable federal, state, and local regulations.

Email: info@wincellulose.com Web: https://wincellulose.com





7. HANDLING AND STORAGE

Handling

Avoid dust formation. Ensure all equipment is electrically grounded and bonded before beginning transfer operations. The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards. For further guidance on prevention of dust explosions, refer to National Fire Protection Association (NFPA) 654: "Standard for the Prevention of Fire and Dust Explosions, from the Manufacturing, Processing and Handling of Combustible Particulate Solids". Take measures to prevent the build up of electrostatic charge. Provide appropriate exhaust ventilation at places where dust is formed.

Storage

No smoking. Keep in a dry place. No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Avoid breathing dust.

Exposure controls

Provide appropriate exhaust ventilation at places where dust is formed. General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Safety glasses

Skin and body protection

Wear as appropriate:

Safety shoes

Wear resistant gloves (consult your safety equipment supplier).

Respiratory protection

No personal respiratory protective equipment normally required.





9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	solid		
Form	powder		
Colour	off-white		
Odour	odourless		
Boiling point/boiling range	/ No data available		
рН	6.5 - 8.5 (as aqueous solution)		
Flash point			
	Not applicable		
Ignition temperature	360.00 °C		
Evaporation rate	No data available		
Vapour pressure	No data available		
Density	1.59 g/cm3		
Bulk density	500 - 1,000 kg/m3		
Water solubility	soluble, Limited by viscosity		
Solubility(ies)	No data available		
Auto-ignition temperature	No data available No data available		
Viscosity, dynamic	No data available		
Viscosity, kinematic	No data available		
Decomposition temperature			
-	No data available		

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Conditions to avoid

UV light., Exposure to sunlight. Keep away from heat, flame, sparks and other ignition sources.

Incompatible products

Acids, Bases, Oxidizing agents

Hazardous decomposition products

No hazardous decomposition products are known.

Hazardous reactions

Dust may form explosive mixture in air.

Thermal decomposition

No data available







11. TOXICOLOGICAL INFORMATION

Information on likely routes of

exposure

Inhalation Skin contact

Eye Contact Ingestion

Product

Acute oral toxicity : No data available

Acute inhalation toxicity : LC50 Rat: > 5,800 mg/l

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Rabbit: > 2,000 mg/kg

Skin corrosion/irritation : No data available

Serious eye damage/eye

irritation

: Unlikely to cause eye irritation or injury.

Product dust may be irritating to eyes, skin and respiratory

system.

Unlikely to cause eye irritation or injury.

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system.

Respiratory or skin sensitisation : No data available

Aspiration toxicity : No aspiration toxicity classification

Further information : No data available

Components:

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity **Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

Exposure time: 96 h Test Method: static test

LC50 (Lepomis macrochirus (Bluegill sunfish)): > 100 mg/l

Exposure time: 96 h
Test Method: static test

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Components:

No data available

Persistence and degradability

Product:

Biodegradability : Inherently biodegradable.

Components:

No data available

Bioaccumulative potential

Product:

Partition coefficient: n-

octanol/water

: No data available

Components:

No data available

Mobility in soil

Product:

No data available

Components:

No data available

Other adverse effects

Product:

Additional ecological information : No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations. Empty remaining contents.







14. TRANSPORT INFORMATION					
ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
U.S. DOT - ROA	AD				
	Not dangerous goods				
CFR_RAIL_C					
	Not dangerous goods				
U.S. DOT - INL	AND WATERWAYS				
	Not dangerous goods				
TDG_ROAD_C					
TDG_ROAD_C	Not dangerous goods				
TDG_RAIL_C					
	Not dangerous goods				
TDG_INWT_C					
	Not dangerous goods				
INTERNATION	AL MARITIME DANGEROUS G	OODS			
	Not dangerous goods				
INTERNATION	AL AIR TRANSPORT ASSOCIA	TION - CARGO			
	Not dangerous goods				
INTERNATION	AL AIR TRANSPORT ASSOCIA	TION - PASSEN	IGER		
	Not dangerous goods				
MX_DG					
	Not dangerous goods				

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID





Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

WHMIS Classification

Not Rated

WHMIS Ingredient Disclosure List IDL: No component is listed on the WHMIS ingredients disclosure list.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Canadian National Pollutant Release Inventory (NPRI)Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

Notification status

Canadian Domestic Substances List (DSL)	y (positive listing)
Australia Inventory of Chemical Substances (AICS)	y (positive listing)
Japan. ENCS - Existing and New Chemical Substances Inventory	y (positive listing)
Korea. Korean Existing Chemicals Inventory (KECI)	y (positive listing)
Philippines Inventory of Chemicals and Chemical Substances	y (positive listing)
(PICCS)	
China. Inventory of Existing Chemical Substances in China (IECSC)	y (positive listing)
United States TSCA Inventory	y (positive listing)

	HMIS	NFPA
Health	0	0
Flammability	0	1
Physical hazards	0	
Instability		0
Specific Hazard		

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16. OTHER INFORMATION

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:

ACGIH: American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

CMR: Carcinogenic, Mutagenic or Toxic for Reproduction

FG: Food grade

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization

ICAO-TI (ICAO): Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx: Lethal Concentration, for xx percent of test population

LDxx: Lethal Dose, for xx percent of test population. ICxx: Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx N.O.S.: Not Otherwise Specified

OECD: Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit
P-Statement : Precautionary Statement
PBT : Persistent , Bioaccumulative and Toxic

PPE: Personal Protective Equipment STEL: Short-term exposure limit STOT: Specific Target Organ Toxicity

TLV: Threshold Limit Value TWA: Time-weighted average

vPvB: Very Persistent and Very Bioaccumulative

WEL: Workplace Exposure Level

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: Department of Transportation

FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act HMIRC: Hazardous Materials Information Review Commission

HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association

NIOSH: National Institute for Occupational Safety and Health OSHA: Occupational Safety and Health Administration

PMRA: Health Canada Pest Management Regulatory Agency

RTK: Right to Know

WHMIS: Workplace Hazardous Materials Information System