

Safety Data Sheet

Japan

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Revision Number: 1.1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: GENUGEL® carrageenan type CJ

Chemical Name Carrageenan Standardized with Sucrose

Product Use Gelling and thickening agent

Specific end uses: Desserts
Dairy

Company CP Kelco Japan ApS
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2. HAZARD IDENTIFICATION

GHS Classification - Japan

Physical Hazards None

Health Hazard None

Environmental Hazards Acute Aquatic Toxicity: Not classified for acute
Chronic Aquatic Toxicity: Not classified for chronic

GHS label elements, including precautionary statements

Precautionary Statements

If exposure or you feel unwell: call a POISON CENTER or doctor/physician
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Additional Toxicology Information Refer to Section 11.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name/CAS	CAS Number	Japan	Classification
Carrageenan	9000-07-1	-	Not classified
Sucrose	57-50-1	8-(4)-345 (ISHL)	Not classified
Isopropyl alcohol <0.1%	67-63-0	(2)-207 (ENCS) 2-(8)-319 (ISHL)	Contains <0.1% Isopropyl Alcohol (residual from manufacturing).

4. FIRST AID MEASURES

General Advice:	Remove material from eyes, skin and clothing. In case of doubt or when symptoms persist, seek medical attention. Wash heavily contaminated clothing before reuse.
Eye Contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation persists.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation persists. Remove and wash contaminated clothing before re-use.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention.
Ingestion	Clean mouth with water and afterwards drink plenty of water.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Contents may catch fire
Suitable Extinguishing Media	Water Dry chemical Carbon dioxide (CO ₂)
Unsuitable Extinguishing Media	None known
Specific Hazards Arising from the Chemical	Dusts or fumes may form explosive mixtures in air. Avoid dust formation.
Hazardous Combustion Products	Carbon dioxide Carbon monoxide
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Avoid contact with skin, eyes and inhalation of vapors.
Environmental Precautions	Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Clean up promptly by scoop or vacuum. Avoid dust formation. Clean contaminated surface thoroughly.

Other Information Not Applicable

7. HANDLING AND STORAGE

Handling Ensure adequate ventilation.
Wear personal protective equipment.
Fine dust dispersed in air may ignite.
Avoid dust formation.
Keep away from heat, sparks, and open flame.
No smoking.
Take precautionary measures against static charge.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name/CAS	Japan	ACGIH
Sucrose		TWA: 10 mg/m ³
Isopropyl alcohol <0.1%		400 ppm

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles

Skin and Body Protection Impervious gloves. Chemical resistant apron.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Prevent contact with skin eyes and clothing. Do not breathe vapors/dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	powder
Appearance	Cream to light Tan
Odor	Odorless
Odor Threshold	No information available
pH	7.0 - 10.0 (1% solution)
Flash Point	Not applicable
Boiling Point	No information available
Melting Point / Range	No data available
Freeze Point	Not applicable
Flammable Properties	Contents may catch fire
Flammability Limits in Air	No data available
Explosive Properties	No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Oxidizing Properties	No data available
Evaporation Rate	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	No data available
Water Solubility	Soluble in water Forms viscous solutions.
Log Pow	No data available
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature:	No information available
Decomposition temperature °C	No data available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Dust formation.
Materials to avoid (Incompatible Materials)	Strong oxidizing agents
Hazardous Decomposition Products	Thermal decomposition products: Carbon monoxide Carbon dioxide (CO ₂)
Hazardous Reactions	None under normal processing
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Product Information

Eyes	Dry powder may cause foreign body irritation in some individuals.
Skin	Prolonged contact with the dry powder may cause drying or chapping.
Acute Toxicity	0% of the mixture consists of ingredients of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Chemical Name/CAS	LD50 Oral	LD50 Dermal	LC50 Inhalation
Carrageenan	5400 mg/kg (rat)		
Sucrose	29700 mg/kg (rat)		
Isopropyl alcohol <0.1%	5.8 g/kg (rat) 7.9 g/kg (rabbit) 6.2 g/kg (dog)		12000ppm 8-hour (rat)

Chronic Toxicity

Carcinogenicity	There are no known carcinogenic chemicals in this product.
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Chemical Name/CAS	IARC - Group 1	IARC - Group 3	IARC - Group 4
Isopropyl alcohol <0.1%		X	

Legend:

IARC: (International Agency for Research on Cancer)

Group 1: Classified as Carcinogenic to Humans

Group 3: Not Classifiable as to its Carcinogenicity to Humans

Group 4: (Probably Not Carcinogenic)

Irritation	May cause skin and eye irritation. Inhalation of dust in high concentration may cause irritation of respiratory system.
Corrosivity	No information available
Sensitization	No information available.
Neurological Effects	No information available
Mutagenic Effects	No information available
Reproductive Toxicity	No information available
Developmental Toxicity	No information available
Target Organ Effects	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity	0% of the mixture consists of component(s) of unknown hazard to the aquatic environment
Ecotoxicity Effects	Not expected
Persistence / Degradability	This product is biodegradable.
Bioaccumulative Potential	Inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products	Dispose of in accordance with local regulations.
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG / IMO	Not regulated
ICAO	Not regulated
IATA	Not regulated

15. REGULATORY INFORMATION

Regulatory and Compendia	Refer to Product Data Sheet
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Component(s) of the product are on the following Inventory lists:

Chemical Name/CAS	EC / REACH	Australia (AICS)	Canada	China (IECSC)	Japan	Korea (KECL)	New Zealand (NZIoC)	Philippines (PICCS)	USA (TSCA)	Taiwan (ECN)
Carrageenan 9000-07-1	232-524-2 *	Present	Present (DSL)	Present	-	-	Present	Present	Present	Nominated
Sucrose 57-50-1	200-334-9 *	Present	Present (DSL)	Present	8-(4)-345 (ISHL)	KE-17258	Present	Present	Present	-
Isopropyl alcohol <0.1% 67-63-0	200-661-7	Present	Present (DSL)	Present	(2)-207 (ENCS) 2-(8)-319 (ISHL)	KE-29363	Present	Present	Present	

Legend

Present: Listed

-: Not Listed

*:Exempt

Nominated

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

RESTRICTIONS - REACH TITLE VIII

No information available.

Japan industrial safety & health law (ISHL) listing -:

Isopropyl alcohol

Dangerous Substances: Yes

ISHL Organic Solvents (Class): 2

ISHL - Harmful Substances Whose Names Are to be Indicated on the Label: Yes

ISHL- Prevention of Hazards Due to Specified Chemical Substances (Class 2): Not applicable

Prevention of Lead Poisoning: Not applicable

Pollution Release and Transfer Registry (Class II):Not applicable

Pollution Release and Transfer Registry (Class I): Not applicable

Poison and Deleterious Substances Control Law: Not applicable

Fire Service Law (Class): 4

16. OTHER INFORMATION

Prepared by:

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Reason for version:

Reviewed for
Japan GHS Classification and Labeling
Japan Industrial Standard (JIS) Z 7251:2006 (Labeling of Chemicals)
Japan Industrial Standard (JIS) Z 7250:2005 (Safety Data Sheets for Chemical Products)

Recommended restrictions

No information available

Sources of key data:

Literature data and/or investigative reports are available through the manufacturer.

Training Advice:

Personnel handling the substance(s) named in this Safety Data Sheet should be skilled and trained in areas associated with the key points named herein.

Personnel should have training and access to appropriate PPE for handling this product.

Personnel handling the substance(s) named in this Safety Data Sheet are responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the substance(s) intended purpose.

If additional information is required, please contact the supplier or an expert.

Recommended restrictions

No information available

Acronym / Abbreviation:

ACRONYMS:

INTERNATIONAL:

ADR: International Carriage of Dangerous Goods by Road

BOD: Biochemical Oxygen Demand

CLP: Classification, Labeling and Packaging

COD: Chemical Oxygen Demand

D.O.T.: U.S. Department of Transportation

ICAO International Civil Aviation Organization

IATA: International Air Transport Association (IATA)

IMO::International Maritime Organization.

IMDG::International Maritime Dangerous Goods

INCI: International Nomenclature of Cosmetic Ingredients

OES: Occupational Exposure Standard

OR: EU REACH Only Representative

PPE: Personal protection equipment

RID: International Carriage by Rail

SCBA: self contained breathing apparatus

TLV-STEL: Threshold Limit Values - Short Term Exposure Limits

TWA: Time Weighted Averages

North America:

CERCLA RQ: US EPA Comprehensive Environmental, Response, and Liability Act Reportable Quantity

CERCLA: US EPA Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CONEG: Conference of North Eastern Governors

NIOSH/MSHA - National Institute for Occupational Safety and Health/Mine Safety and Health Administration

SARA: Superfund Amendments and Reauthorization Act (US EPA)

TDG: Canada Transport of Dangerous Goods

WHMIS: Canada's Workplace Hazardous Materials Information System

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Revision Note

Initial release

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END OF SAFETY DATA SHEET