

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
COMMISSION REGULATION (EU) No. 2020/878

Issue Date 04/Feb/2022

Print Date 04/Feb/2022

Revision Number 1.3.2

Page 1 of 10

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

1.1. Product identifier

Product Name: GENUVISCO® carrageenan type TPC-1

Pure substance/mixture Substance

Chemical Name	CAS Number	EU REACH registration number	EC No	(CLP) Regulation (EC 1272/2008)	% by Wt
Carrageenan	9000-07-1	Exempt	232-524-2	Not classified	--

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

Recommended Use Stabilizer Thickening agent

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company: CP Kelco France
123 rue Jules Guesde
92300 Levallois-Perret
France
Tel: +33 1 49 03 78 00
Fax: +33 1 49 03 78 29

Internet www.cpkelco.com

E-mail customer.request@cpkelco.com

1.4. Emergency telephone number CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Pure substance/mixture Substance

(CLP) Regulation (EC 1272/2008) Not classified

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 2 of 10

Hazards Identification

Physical Hazard	Not classified
Health Hazards	Not classified
Environmental Hazard	Not classified

2.2. Label elements

Symbols/Pictograms	None.
Signal Word	None
Hazard Statements	None

Precautionary Statements

Prevention	Employ good industrial hygiene practice. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Combustible dust may form combustible (explosive) dust-air mixtures. Take precautionary measures against static discharges.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water.
Storage	Keep in a dry place. Store away from incompatible materials.
Disposal	Dispose of contents/containers in accordance with local regulations.

2.3. Other hazards Warning. COMBUSTIBLE DUST MAY FORM COMBUSTIBLE (EXPLOSIVE) DUSTAIR MIXTURES. Material becomes extremely slippery when wet.

SECTION 3: Composition/information on ingredients

3.1. Substance Substance

Chemical Name	CAS Number	EC No	EU REACH registration number	(CLP) Regulation (EC 1272/2008)	% by Wt
Carrageenan	9000-07-1	232-524-2	Exempt	Not classified	--

Legend

Exempt or - : this substance or its uses are exempted from REACH registration or no REACH registration obligation as annual tonnage <1tpa.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Advice Employ good industrial hygiene practice. Wear suitable protective clothing, gloves and eye/face protection. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. When in doubt or

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 3 of 10

if symptoms are observed, get medical advice.

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.

Skin Contact

Wash with plenty of soap and water.

Ingestion

Rinse mouth thoroughly with water.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.

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

Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

SECTION 5: Firefighting measures

5.1. Extinguishing media**Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire. Water spray (fog). Dry chemical. Foam. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

None known.

5.2. Special hazards arising from the substance or mixture

Avoid dust formation. Do not breathe dust.

Hazardous Combustion Products

Carbon dioxide
Carbon monoxide

5.3. Advice for firefighters**Special protective equipment for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-fighting measures

COMBUSTIBLE DUST MAY FORM COMBUSTIBLE (EXPLOSIVE) DUST/AIR MIXTURES.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e.,

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 4 of 10

clearing dust surfaces with compressed air). Keep unauthorized personnel away. Do not breathe dust. Use personal protection recommended in Section 8.

For non-emergency personnel Keep unauthorized personnel away.

For emergency responders Keep unauthorized personnel away. Use personal protection recommended in Section 8.

6.2. Environmental precautions Avoid runoff to waterways and sewers. Dispose of in accordance with federal, state and local regulations.

6.3. Methods and material for containment and cleaning up Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust Small Spill: Vacuum or sweep material and place in a disposal container

6.4. Reference to other sections Section 8: Exposure controls and personal protection. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid contact with skin, eyes or clothing. Avoid prolonged contact with material. Use personal protection recommended in Section 8. Employ good industrial hygiene practice.

7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed and dry. Store away from incompatible materials. See section 10.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Biological Limit Values None

Recommended monitoring procedures Refer also to national guidance documents for information on currently recommended monitoring procedures

DNEL (Derived No Effect Level) No information available

PNEC (Predicted No Effect Concentration) No information available

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 5 of 10

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas. Provide a good standard of controlled ventilation (10 to 15 air changes per hour).

Personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear suitable protective clothing.

Hand Protection Wear suitable gloves.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

Thermal hazards Wear suitable protective clothing.

Hygiene Measures Follow general hygiene considerations recognized as common good workplace practices.

SECTION 9: Physical and chemical properties
--

9.1. Information on basic physical and chemical properties

Physical State	Free-flowing Powder
Color	White , Yellowish , Light grayish , Light brownish
Odor	Odorless
Odor Threshold	No information available
pH:	7.0 - 10.0 (0.5 % solution)
Melting Point / Melting Range	No data available
Boiling Point	No information available
Freezing Point	Not applicable
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability (solid, gas)	-
Flammability Limit in Air	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Water Solubility	Soluble
Partition coefficient	No data available
Viscosity	No information available
Specific Gravity	No data available
Explosive Properties	No information available
Oxidizing Properties	No data available
VOC Content (%)	Not applicable
Decomposition Temperature	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity None

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 6 of 10

10.2. Chemical stability	Stable under normal conditions
10.3. Possibility of hazardous reactions	No specific hazard known
10.4. Conditions to avoid	Keep away from heat, sparks and flame.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	None known

SECTION 11: Toxicological information

General Information Users are advised to consider national Occupational Exposure Limits or other equivalent values.

Information on Likely Routes of Exposure

Inhalation	Do not breathe dust.
Skin	Not a skin sensitizer. Prolonged or repeated contact may dry skin and cause irritation.
Eyes	Dust contact with the eyes can lead to mechanical irritation.
Ingestion	Ingestion is not a likely route of exposure.

11.1. Information on toxicological effects

Carrageenan - 9000-07-1

Oral LD50 5400 mg/kg Rat

Acute Toxicity	Not classified.
Chronic Toxicity	No evidence of mutagenic, reproductive or carcinogenic effects.
Reported Human Effects	No evidence of mutagenic, reproductive or carcinogenic effects.
Serious eye damage/eye irritation	Dust may cause mechanical irritation to eyes Based on available data, the classification criteria are not met
Respiratory Sensitization	Based on available data, the classification criteria are not met. Inhalation of dust in high concentration may cause irritation of respiratory system.
Skin Corrosion/Irritation	Based on available data, the classification criteria are not met. Contact with dust can cause mechanical irritation or drying of the skin.
Skin Sensitization	Based on available data, the classification criteria are not met. Not a skin sensitizer.

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 7 of 10

Mutagenicity	Based on available data, the classification criteria are not met.
Reproductive Toxicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met.
Target Organ Effects	No information available
Specific target organ toxicity - Single exposure	No information available
Specific target organ toxicity - Repeated exposure	No information available

SECTION 12: Ecological information

12.1. Ecotoxicity	Not considered to be harmful to aquatic life.
12.2. Persistence and degradability	Readily biodegradable.
12.3. Bioaccumulative potential	No data available.
Partition coefficient	No data available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This substance does not meet the criteria for classification as PBT or vPvB.
12.6. Other adverse effects	None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal
Waste codes	Waste codes should be assigned by the user based on the application for which the product was used
Disposal Methods	Dispose of waste product or used containers according to local regulations

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 8 of 10

SECTION 14: Transport information

Mode of Transportation (Road, Water, Air, Rail)

TDG -Canada	Not regulated
US DOT	Not regulated
ADR	Not regulated
RID	Not regulated
ADN	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
ICAO	Not regulated

14.1. UN number None

14.2. UN proper shipping name None

14.3. Transport hazard class(es) None

14.4. Packing group None

14.5. Environmental hazards No

14.6. Special precautions for user Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global Inventories

Chemical Name	CAS Number	EC No	Australia (AIC)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Carrageenan	9000-07-1	232-524-2	Y	Y	Y	N	KE-14-0067	Y	Y	Y	Y	A

Legend

X / Y: Complies ; A: Active ; - / N: Exempt / Not Listed

Chemical safety assessment Not required

REACH No.

Carrageenan

EU REACH registration number Exempt
Turkish KKDİK pre-registration 05-0000206157-15-0000

SECTION 16: Other information

Prepared by

CP Kelco Global Regulatory Affairs
Email: Regulatory.Affairs@cpkelco.com

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 9 of 10

Reason for Revision	COMMISSION REGULATION (EU) No. 2020/878
Hazards identification	
(CLP) Regulation (EC 1272/2008)	Not classified
Physical Hazard	Not classified
Health Hazards	Not classified
Environmental Hazard	Not classified
Labeling	
Symbols/Pictograms	None
Signal Word	None
Hazard Statements	This product is not classified as hazardous according to the UN GHS guideline and labeling is not required This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) Combustible dusts
Hazards not otherwise classified (HNOC)	COMBUSTIBLE DUST MAY FORM COMBUSTIBLE (EXPLOSIVE) DUST/ AIR MIXTURES.
Training Advice	Do not handle until all safety precautions have been read and understood.
Abbreviations and acronyms	IARC (International Agency for Research on Cancer) IATA (International Air Transport Association) IMDG (International Maritime Dangerous Goods) IUCLID (International Uniform Chemical Information Database) WHMIS (Workplace Hazardous Materials Information System) DOT (Department of Transportation) OSHA (Occupational Safety and Health Administration of the US Department of Labor) TWA (Time-Weighted Average) CLP (The Classification, Labeling and Packaging of Substances and Mixtures Regulation (EC 1272/2008)) PPE (Personal Protection Equipment) TDG (Transport of Dangerous Goods) Canada CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) RQ (Reportable Quantity) (RQ/% in mixture) STEL (Short Term Exposure Limit) TLV® (Threshold Limit Value) DNEL (Derived No Effect Level) SVHC (Substances of Very High Concern) BOD (Biochemical oxygen demand) COD (Chemical oxygen demand) ICAO (International Civil Aviation Organization) IMDG (International Maritime Dangerous Goods) ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road) RID (Agreement Concerning the International Carriage of Dangerous Goods by Rail) SCBA (Self-Contained Breathing Apparatus) Positive Pressure PNEC (Predicted No Effect Concentration) GHS (Globally Harmonized System) SARA (Superfund Amendments and Reauthorization Act of 1986) TSCA (Toxic Substances Control Act)
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge,

CP KELCO

Safety Data Sheet

GENUVISCO® carrageenan type TPC-1

Issue Date 04/Feb/2022
Print Date 04/Feb/2022

Revision Number 1.3.2
Page 10 of 10

information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet