

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

.Product details

.Trade name: Gellan Gum

.Application of the substance: Can be used as suspending, gelling and thickening agent

.Manufacturer/Supplier: Zhejiang Tech-Way Biochemical Co., Ltd.

Fengqiao Fengbei Industrial Area, Zhuji, Zhejiang, China

Tel: +0086-575-87421709

Fax: +0086-575-87040068

.Further information obtainable from: Zhejiang Tech-Way Biochemical Co., Ltd.

.Information in case of emergency: Zhejiang Tech-Way Biochemical Co., Ltd.

Fengqiao Fengbei Industrial Area, Zhuji, Zhejiang, China

Tel: +0086-575-87421709

.E-Mail: Tech-way@163.com

.Contact: Xuan Hankang

2 Composition/information on ingredients

.Chemical characterization

.Description: Onefold of substances listed below

Components Number	CAS Number	Approximate(%)by Wt.Or Vol.
Gellan Gum	71010-52-1	97-98%
Water	7732-18-5	2-3%

3 Hazards identification

.NFPA ratings (scale 0 - 4)



Health = 0; Fire = 1; Reactivity = 1

.HMIS-ratings (scale 0 - 4)

HEALTH	0
FIRE	1
REACTIVITY	1

Health = 0; Fire = 1; Reactivity = 1



- .Potential Acute Health Effects:** Slightly hazardous in case of eye contact (irritant), of ingestion, of inhalation.
- .Eyes:** Slightly hazardous by the following route of exposure: of eye contact (irritant).
- .Skin:** Not known acute effects of this product resulting from skin contact, contact skin occasionally lead rash, However in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.
- .Inhalation:** Inhalation dust will to irritation the respiratory tract. Much Inhalation will lead nose and mouth ulcers.
- .Ingestion:** A small amount of ingestion will not have any Affect to the human body, ingestion of large amounts may cause abdominal distension and pain and so on.
- .Potential Chronic Health Effects:** Not available.
- .Carcinogenic effects:** Not available.
- .Mutagenic effects:** Not available.
- .Teratogenic effects:** Not available.

4 First aid measures

Persons using these products should consult a physician or other medical professional if an accident involving these products in injury. Specific first-aid measures are as follows:

- .Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention if irritation occurs.
- .Skin Contact:** Take off contaminated clothing and wash skin with soap and water.
- .Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- .Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. If there are not comfortable get medical attention.
- .Serious Ingestion:** Not available.
- .Effects of Overexposure - Chronic:** None Known.

5 Fire-fighting measures

- .Extinguishing Media:** CO2; foam; dry chemical and water spray.
- .Special Fire Fighting Procedures:** Structural firefighters must wear self-contained breathing Apparatus and full protective equipment.
- .Unusual Fire and Explosion Hazards:** Not applicable.
- .Explosion Sensitivity to Mechanical Impact:** Not applicable.
- .Explosion Sensitivity to Static Discharge:** Not applicable.
- .Explosion Hazards in Presence of Various Substances:** Not applicable.

6 Accidental release measures

.Release Response: Due to the nature of these products, no special accidental release measures are normally requirement. Uncontrolled release involving other materials released near these products should be responded to by appropriately trained personnel using preplanned procedures.

.Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

.Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

.Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7 Handling and storage

.Handling:

.Information for safe handling: Handling of soft enzyme may form nuisance dust. Protect personnel.

Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that, Pollution in the surrounding air. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training in hazards. See NFPA 654.

.Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material.

Combustible materials should be stored away from extreme heat and away from Alcohol, strong acid, strong oxidizing agents.

8 Exposure controls/personal protection

.Ventilation and Engineering controls:

No special ventilation and engineering controls are required for handling of these products.

.Respiratory Protection:

No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHS Standard, applicable U.S. State regulations, or the Canadian CSA standard.

.Body Protection:

No special protective clothing is required.

.Protective Gloves: If need you can wear Rubber or plastic acid-resistant gloves.

.Eye Protection: Generally do not need, When necessary to wear chemical goggles or face shield.

9 Physical and chemical properties

.General Information	
Form:	Free-flowing Powder
Color:	Off-white
Odor:	Odorless
.Change in condition	
Melting point/Melting range:	65-120°C
Boiling point/Boiling range:	Not available
. Multiple of expansion:	Not available
. Grain size:	Not available
.Density:	Not available
.Relative density:	Not available
.Vapor density:	Not available
.Evaporation rate	Not available
.Solubility in/Miscibility with	
Water:	Not miscible or difficult to mix
. PH-Value:	Not available

10 Stability and reactivity

- .Chemical Stability:** Stable under normal temperatures and pressures.
- .Decomposition Products:** None known.
- .Materials with which substance is incompatible:** None known.
- .Hazardous Polymerizations:** Will not occur.
- .Conditions to Avoid:** Avoid exposure or contact with incompatible chemicals.

11 Toxicological information

- Toxicity to Animals:**
- LD50: >5000g/kg (rat)
- LC50: Not available.
- .Chronic Effects on Humans:** Not available.
- .Other Toxic Effects on Humans:** Slightly hazardous in case of eyes contact (irritant)
- .Special Remarks on Chronic Effects on Humans:** Not available.
- .Special Remarks on other Toxic Effects on Humans:** Not available.

12 Ecological information

- .Ecotoxical effects:** Not expected to be a toxic. not harmful if ingested by animals and aquatic life. it will decomposition remain in the soil and sink in the water .
- .Persistence and degradability:** will to be degraded.
- .Other adverse effects:** Not expected to be a toxic.

13 Disposal considerations

- .Recycle if possible. Dispose product according to national/regional regulations in force. Send to authorized disposal plants or to authorize controlled condition incinerators. Contaminated packaging may be recycled or disposed; in this case the receiver must be informed of potential hazards.*
- .Waste Disposal Methods: When no longer needed, these articles may be disposed of as permitted by local waster handling authority.*
- .U.S. EPA waste number: Not applicable.*

14 Transport information

- .DOT Classification for Bulk Shipments (non bulk shipments may differ): Not a DOT controlled material (United States).*
- .Hazard class number and description: Not applicable*
- .Packing Group: Not applicable*
- .UN Identification: Not applicable*
- .Marine Pollutant: No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172. 101*
- .Transport Canada transportation of dangerous goods regulations: These products are not considered as dangerous goods per regulations of transport Canada.*

15 Regulatory information

- .Sara reporting requirements: Not applicable as an article. The components of these products do not have requirements as pure compounds; if dusts from the product are produced, SARA requirements may be applicable.*
- .Sara threshold planning quantity: There are no specific threshold planning quantities for the components of these products. None of the ingredients is listed.*
- .TSCA (Toxic substances Control ACT): There are articles and are not subject to the requirements of TSCA.*
- .California Safe drinking water and toxic enforcement act (Proposition 65): No component of these products is on the proposition 65 lists.*

16 Other information

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC, 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handing, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may be applicable.

- .Emergency Telephone Number: +0086-135 8854 0245*
- .Department issuing MSDS: Zhejiang Tech-Way Biochemical Co., Ltd.*
- .Contact: Zhou Dan*

*****The End*****