

SAFETY DATA SHEET

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION:

Common Name	Guar Gum, Gum flour, Guar Gum Powder
CHEMICAL FAMILY	Natural Gum - Polysaccharides
GENERAL USE	Foodstuff application, Emulsifying agent. Stabilizer. Thickening agent. In foods, In pharmaceuticals
C A S Number	9000-30-0
Supplier's Name & Address	Level 7 Chemical, Inc. 253 Sturgis Rd Conway, AR 72034 1-855-927-1777
Emergency Contact	Mark Hughey 501-428-3501

SECTION 2: HAZARD IDENTIFICATION:

Classification of the substance or mixture:	<ul style="list-style-type: none"> ▪ This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) ▪ Not a dangerous substance or mixture according to the Globally Harmonized System (GHS) ▪ Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. ▪ This substance is not classified as dangerous according to Directive 67/548/EEC.
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]	<ul style="list-style-type: none"> ▪ GHS Label Elements - NONE
Signal Word	None
Hazards Statement	<ul style="list-style-type: none"> ▪ May cause mild skin irritation. ▪ May cause mild eye irritation.

Precautionary Statements

- **P261:** Avoid breathing dust / fume / gas / mist / vapours / spray.
- **P262:** Do not get in eyes, on skin, or on clothing.
- **P281:** Use personal protective equipment as required.
- **P302+P352: IF ON SKIN:** Wash with plenty of soap and water.
- **P303+P361+P353: IF ON SKIN (or hair):** Remove / Take off immediately all contaminated clothing.
- Rinse skin with water / shower.
- **P304 + P340 - IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **P305 + P351 + P338 - IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P337+313:** If eye irritation persists get medical advice/attention.

Other Hazards

- **Powder** becomes slippery when wet.
- Substances that are mildly irritating to the skin
- Substances that are respiratory sensitizers
- Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action

Potential Health Hazards

- **Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation
- **Skin:** May be harmful if absorbed through skin. May cause skin irritation
- **Eyes:** May cause eye irritation.
- **Ingestion:** May be harmful if swallowed.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical Name	CAS No	EC Class	EC Class	Proportion
Guar Gum	9000 – 30 -0	232-536-8	Not classified as hazardous	100 %

Contains no other components or impurities which will influence the classification of the product

SECTION 4: FIRST AID MEASURES:

- **Skin:** Remove the contaminated clothing and wash skin with running water. Soap may be used. If irritation occurs Seek Medical Aid.
- **Eyes:** Wash eyes immediately with plenty of water for at least 15 minutes, lifting lids occasionally. In all case of eye contamination, it is a sensible precaution to Seek Medical Aid.
- **Inhalation:** Move person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. If effects persist seek medical advice.
- **Ingestion:** If swallowed, Rinse mouth with water induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person. May cause gastrointestinal blockage. Do not induce vomiting unless directed to do so by medical personnel.
- Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or

Most important symptoms and effects, both acute and delayed

intestinal upset (nausea, vomiting, diarrhoea) irritation (nose, throat, airways)
Causes serious eye irritation.

- **Notes to physician:** No hazards which require special first aid measures.

SECTION 5: FIRST AID MEASURES:

Flammability of Product	<ul style="list-style-type: none">▪ Non-Flammable▪ Flash Point – No data available.▪ Lower Explosion Limit - No Data Available▪ Upper Explosion Limit - No Data Available▪ Auto Ignition Temperature - No Data Available▪ Hazchem Code - No Data Available
Products of combustion	Oxides of Carbon
Fire Fighting media and Instructions:	<ul style="list-style-type: none">▪ Use dry chemical powder, Water spray (Fog), Alcohol resistant Foam, CO₂.▪ Clear fire area of all non-emergency personnel Stay upwind. Keep out of low areas. Eliminate ignition sources.▪ Wear self-contained breathing apparatus for firefighting if necessary.▪ All combustion residues and contaminated water from fire-fighting should be disposed of according to regulations.
Unsuitable extinguishing media	Do not use a heavy water stream. if water comes in contact with substance, forms a very slippery surface and may cause accidents.
Surrounding fires	Use water spray or fog for cooling exposed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES:

General Response Procedure	<ul style="list-style-type: none">▪ Spilled material may cause a slipping hazard. Avoid dust formation.▪ To avoid accidents, clean up immediately.▪ Avoid walking through spilled product as it is slippery when spilt.▪ Sweep up the spilled material with clean tools and equipment and dispose of in accordance with the waste disposal method.▪ Shut off all possible sources of ignition.
Clean Up Procedure	<ul style="list-style-type: none">▪ Contain spilled material if possible. Sweep up or use an industrial vacuum cleaner. Collect in suitable and properly labelled containers and hold for safe disposal
Environmental Precautionary Measures	<ul style="list-style-type: none">▪ Prevent from entering soil, ditches, sewers, waterways and/or groundwater.▪ Do not flush to drain. Do NOT let product reach drains or waterways. If product does enter a waterway, Notify the Environmental Protection Authority or your local Waste Management.
Small Spill:	<ul style="list-style-type: none">▪ 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 legal requirements.

Large Spill

- Do not inhale vapours, mist.
- Avoid dust formation. 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

SECTION 7: HANDLING AND STORAGE

Precaution for safe handling

- Avoid breathing dust.
- Avoid direct or prolonged contact with skin and eyes.
- Keep away from incompatibles such as oxidizing agents, acids.
- Wear appropriate personal protective equipment's.
- Ensure adequate ventilation

Conditions for Safe Storage

- Keep container tightly closed in a dry and well-ventilated area.
- Keep away from Strong bases. Strong acids. Sources of ignition. Direct sunlight.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

- Contains no substances with occupational limit values.

Engineering Control

- Safety shower and eye bath.
- Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protective Measures

- **Respiratory** - Respiratory protection is not required. Where protection from nuisance levels of dusts are desired. Dust respirator. Be sure to use an approved / certified respirator
- **Hand** – Protective Gloves
- **Eye** – Chemical Safety goggle
- **Skin and body protection** – Personal protective equipment for the body should be selected based on the task being performed and the risk. (Dust impervious protective suit)

Hygiene Measures

- Avoid breathing of dust
- Wash thoroughly before breaks and after handling.
- Do not eat or drink while handling.
- Do not smoke while handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	White to creamy powder.
odour	Odourless
pH	5 – 8
Solubility	Soluble in water
Melting Point:	Not Available
Boiling Point:	Not Available
Flash Point:	Not Available
Evaporation Rate:	Not Available
Flammability (solid, gas):	Not Available
Lower & Upper Flammability / Explosive Limits:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	Not Available
Solubility:	Not Available
Partition coefficient: n-octanol / water:	Not Available
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity:	Not Available

SECTION 10: STABILITY AND REACTIVITY DATA

- **Stability:** It is stable in room temperature in closed containers under normal storage & handling.
- **Conditions of instability:** Incompatible materials, Moisture
- **Incompatibility with various substances:** Avoid high temperatures, sparks, open flames and moisture. Avoid contact with strong oxidizing agents.
- **Polymerization:** Will not occur

Hazardous Decomposition Products: Strong oxidizing agents

Polymerization Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

- LD50 Oral - Rat - 6.770 mg/kg
- LD50 Oral - mouse - 8100 mg/kg; Oral, rabbit:
- Carcinogenic Effects: Not a reported carcinogen by IARC, NTP, ACGIH, OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Data No data available for the product, however it is not expected to have significant environmental effects.

- Toxicity to fish: LC50 - *Oncorhynchus mykiss* (rainbow trout) - 218 mg/l - 96 h

Ecotoxicological Information No data available for the product; however, no significant effects on aquatic organisms are expected

SECTION 13: DISPOSAL CONSIDERATION

Waste from residues / Waste must be disposed of in accordance with Federal, State and Local regulation. unused products:

Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal

SECTION 14: TRANSPORT INFORMATION

- DOT (US): Not dangerous goods
- IMO/IMDG: Not dangerous goods
- IATA: Not dangerous goods
- ADR/RID: Not dangerous goods
- IACO: Not dangerous goods

SECTION 15: REGULATORY INFORMATION:

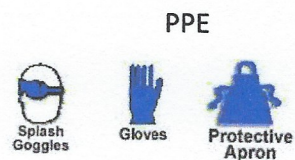
- | | |
|------------------------------------|--|
| USA Federal and State Regulations: | <ul style="list-style-type: none">▪ TSCA: CAS# 9000-30-0 is listed on the TSCA inventory.▪ Section 12b: None of the chemicals are listed under TSCA Section 12b.▪ TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.▪ CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.▪ SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.▪ Section 313: No chemicals are reportable under Section 313.▪ OSHA: None of the chemicals in this product are considered highly hazardous by OSHA. |
| Canada | <ul style="list-style-type: none">▪ WHMIS Hazard Class: This product has a WHMIS classification of D2B.▪ Canada - DSL/NDSL: CAS# 9000-30-0 is listed on Canada's DSL List. – This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.▪ EINECS EC Code: 232-536-8 |
| EU Classification | <ul style="list-style-type: none">▪ R-phrases - not determined▪ S-phrases - none▪ Indication of danger: Not dangerous▪ The product is classified in accordance with Annex VI to Directive 67/548/EEC |

SECTION 16: OTHER INFORMATION :



HIMS
Hazard Ranges

Health Hazard	1
Fire Hazard	0
Reactivity Hazard	0
Max. Personal Protection	E



The information above is believed to be accurate and represents the best information currently available to us. This SDS is based on technical data judged to be reliable, **Level 7 Chemical, Inc.** assumes no responsibility for the completeness or accuracy of the information contained herein. All chemicals may pose unknown hazards and should be used with caution. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. Users should make their own investigations to determine the suitability of the information for their particular purpose. In no event shall **Level 7 Chemical, Inc.** be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damage.

Date of Preparation – 9th October 2018