



SAFETY DATA SHEET

OSHA Hazard Communication Standard 29 CFR
1910.1200 Prepared to GHSRev03

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name: GUAR GUM POWDER
Trade Name: GELRITE GN-4045
Supplier: SNAP ENERGY VENTURES
17217 Waterview Pkwy
Dallas, TX 75252
PHONE: +1 817-691-3671
Email: info@snapenergyventures.com

In Case of Emergency:
INFOTRAC
United States & Canada
1-800-535-5053
International
1-352-323-3500

Chemical Family: POLYSACCHARIDES, SUGARS
Material Uses: RHEOLOGY MODIFIER

2. HAZARDS IDENTIFICATION

OSHA HAZARDS:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

While this material is not considered hazardous by the OSHA Hazard Communication Standard, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

GHS Classification:

This chemical is not classified as hazardous substance or mixture.

GHS Label Elements and Hazard Statements:

Signal word: None

GHS Precautionary Statements:

None.



3. COMPOSITION AND INFORMATION ON INGREDIENTS

CAS#	Hazardous Components (Chemical Name)	Concentration
9000-30-0	Guar Gum Powder	100%

For full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General Advice:

Consult the POISON CENTER or a physician if you feel unwell. Show this safety data sheet to the doctor in attendance.

Eye Contact:

Rinse immediately with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice or attention if irritation persists.

Skin Contact:

Take off contaminated clothing and wash before reuse. Wash skin with plenty of water. If skin irritation occurs, get medical advice or assistance.

Inhalation:

If breathing is difficult, remove person to fresh air and keep at rest comfortable for breathing. If person is not breathing, please call 911 and then give artificial respiration.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. DO NOT induce vomiting. If vomiting occurs, keep airway clear.

5. FIREFIGHTING MEASURES

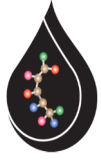
Suitable Extinguishing media:

In case of fire: Use water spray, dry chemical, carbon dioxide or alcohol-resistant foam.

Special Protective Equipment and Advice for Fire Fighters:

Use approved self-contained breathing apparatus with fighting fire in an enclosed area. Adopt standard procedure for containment of chemical fires. Keep the containers cool by using water spray.

Special Hazards Arising From the Substance or Mixture:



Hazardous Combustion Products – Oxides of carbon (CO_x).

Explosion Data:

Sensitivity to Mechanical Impact – No data available.

Sensitivity to Static Discharge – No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid dust formation. Use personal protective equipment such as gloves, chemical resistant aprons and safety glasses while handling the product.

Environmental Precautions:

As with all chemical products, do not release into environment. Assure conformity with applicable governmental regulations.

Methods and Materials for Containment and Clean Up:

Methods for Containment – Prevent further leakage or spillage if safe to do so.

Methods for Clean Up – Sweep or shovel up and store in a suitable container for disposal. Do not flush with water. Wetted surfaces can become extremely slippery.

7. HANDLING AND STORAGE

Handling:

Use good industrial hygiene practices while handling this product. Avoid dust formation and contact with skin and eyes. Wear appropriate personnel protective equipment and use in well ventilated areas.

Storage:

Keep container tightly closed in a dry, cool and well ventilated place. Avoid exposure to air as product is susceptible to moisture. Ideal storage temperature is 25 – 27 °C with a shelf life of 1 year from date of manufacture. If product needs to be stored more than 1 year, it should be refrigerated between 4 – 10 °C. Keep container upright and avoid leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines –

Product has no known exposure limits.



Engineering Controls – Local exhaust ventilation as necessary to maintain exposure to within applicable limits. Please refer to the ACGIH document: “Industrial Ventilation, A Manual of Recommended Practices”, most recent edition for details. If there are no applicable or established exposure limit requirement or guidelines, general ventilation should be sufficient.

Personal Protection:

Respiratory Protection – A MISOH/OSHA approved respirator is recommended as handling of product has the tendency to generate dust.

Hand Protection – Appropriate chemical resistant glove must be used.

Eye/Face Protection – Goggles and face shield should be used. Do not wear contacts when handling this product.

Skin and Body Protection – Use personal protective equipment such as a chemical resistant apron or protective suit when in contact with product is likely.

Hygiene Measures – Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Other Personal Protection Data – Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder	Evaporation Rate:	No data available
Color:	White/Beige/Tan	Odor:	Slight
Appearance:	N/A	VOC (wt%):	No data available
pH:	~7.0 (1% solution)	Flammability:	Not applicable
Relative Density:	4.59 - 7.09 lbs/gal	Vapor Pressure:	No data available
Boiling Point:	Not applicable	Vapor Density:	No data available
Flash Point:	> 93.3 C (> 200 F)	Specific Gravity:	0.55 – 0.85
Melting Point:	No data available	Solubility (Water):	Soluble (up to 5%)
Freeze Point:	Not applicable	VOC Content (wt.%):	No data available
Dynamic Viscosity:	No data available		

10. STABILITY AND REACTIVITY DATA

Stability:

Stable under recommended storage, handling and transportation conditions.

Conditions to Avoid – Moisture.

Materials to Avoid – Oxidizing agents.

Reactivity:

Hazardous Decomposition Products – Carbon monoxide and carbon dioxide.



Possible Hazardous Reactions – None under normal conditions.

Hazardous Polymerization – Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Eyes – Mild eye irritant.

Skin – May cause slight irritation on prolonged contact.

Ingestion – No data available.

Inhalation – May cause mild respiratory irritation.

Acute Toxicity:

Oral LD50: 6770 mg/kg (Rat).

Dermal LD50: No data available.

Inhalation LC50: No data available.

Information on Toxicological Effects:

Symptoms – No data available

Delayed & Immediate Effects and Chronic Effects from Short & Long Term Exposure:

Skin Corrosion/Irritation – No data available.

Eye Damage/Irritation – No data available.

Sensitization – No data available.

Germ Cell Mutagenicity – No data available.

Carcinogenicity – This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH or OSHA.

Reproductive Toxicity – No data available.

Specific Target Organ Toxicity (Single Exposure) – No data available.

Specific Target Organ Toxicity (Repeated Exposure) – No data available.

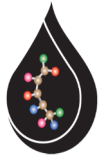
Aspiration Hazard – No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available.

Acute Aquatic Toxicity:



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Fish: LC50 – Oncorhynchus mykiss: 218 mg/L (96 hours).
Crustacea: No data available.
Algae/Aquatic Plants: No data available.

Persistence and Degradability:

Guar gum is biodegradable in waste treatment facilities when well diluted.

BOD₅: ~ 200 mg O₂/g

COD: ~ 1600 mg O₂/g

Bioaccumulative Potential:

No data available.

Mobility:

No data available.

Results of PBT and vPvB Assessment:

No data available as chemical safety assessment not required.

Other Effects:

No other ecological studies have been carried out on this product.

13. DISPOSAL CONSIDERATIONS

Product:

Dispose in accordance with local, state and federal agencies. Offer surplus and non-recyclable solutions to a licensed disposal company. Processing or contamination of this product may change the waste management options. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging/Spills:

Dispose of as unused product. Scoop, Sweep up or vacuum spills in to appropriate containers. Follow label warnings.

14. TRANSPORT INFORMATION

DOT: Not regulated

IMDG: Not regulated

IATA/ICAO: Not regulated



15. REGULATORY INFORMATION

U.S. Federal Regulations:

CERCLA – This material as supplied does not contain any substance regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA, 40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA, 40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

CWA (Clean Water Act) – This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (CWA, 40 CFR 122.21 and 40 CFR 122.42).

SARA 313 – This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels as established by SARA Title III (40 CFR 372).

SARA 311/312 Hazard Categories

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

U.S State Regulations:

California Prop. 65 – The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

U.S State Right-to-Know Regulations:

This product does not contain any substances regulated under applicable state right-to-know regulations.

International Inventories:

USA (TSCA) – All components of this product are either listed on the U.S Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

Canada (DSL) – All components of this product are either listed on the inventory or are exempt from listing.

European Union (EINECS) – Some ingredients are not listed on the inventory.

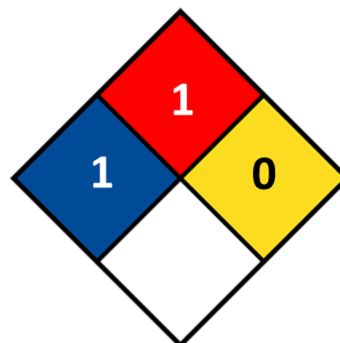


16. OTHER INFORMATION

HMIS (USA):

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

NFPA (USA):



Text of H-code(s) and R-phrase(s) mentioned in Section 3.

Notice to Reader

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Published Date: November 20, 2019.