



Intra-Laboratories

Unit 5 Devonshire Meadows
Broadley Park Road
Plymouth
PL6 7EZ

Material Safety Data Sheet

1. Identification of product and company identification

Product Name: Guar Gum Or Guar Gum Powder

2. Composition and information on ingredients.

Guar Gum Powder-100 mesh or 200 mesh OR 300 mesh
CAS No. : 9000-300-3
H.S.Code : 130 232 20
EEC No. : E 412
EINECS No. : 232 536 8

3. Hazards Identification.

Hazard Symbols: None Listed.

Risk Phrases: Non Listed.

Appearance: Yellowish-White.

Caution: The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritate. May cause skin sensitization by skin contact. Repeated inhalation of dust can cause sensitization to susceptible individuals.

Target Organs: No data found.

Potential Health Effects.

Eye: Dust may cause mechanical irritation.

Skin: May cause skin irritation. May cause sensitization by skin contact.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation: The toxicological properties of this substance have not been fully investigated. Inhalation of dust may cause respiratory tract irritation. May cause respiratory sensitization.

Chronic: Some individuals may develop a respiratory allergenic response to guar dust. Persons with a history of respiratory allergies may have a condition aggravated by exposure to guar dust.

4. First Aid Measures.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

5. Fire and Explosion Data.

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, thermal decomposition or combustion may generate irritation and highly toxic gases. Runoff from fire control or dilution water may cause pollution.

Extinguishing Media:

Use agent most appropriate to extinguish fire.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits lower: Not available.

Explosion Limits, upper: Not available.

NFPA Rating: (estimated) Health: 1: flammability: 0: Reactivity: 0

6. Accidental Release Measures.

General Information: Use proper personal protective equipment as indicated in Section 8,

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. Handling and Storage.

Handling:

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure controls and Personal protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

EXPOSURE LIMITS

Chemical Name	ACGIH	NIOSH	OSHA-- Final Peels
Guar Gum	Non listed	Non listed	Non listed

OSHA Vacated PELs:

Guar Gum:

No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment.

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. Physical and Chemical Properties

Physical State: Powder

Appearance: Yellowish -- White

Odour: Odourless.
PH: 5.5-6.5(1-% solution)
Vapour Pressure: Not available.
Vapour Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point: Not available.
Decomposition temperature:
Solubility in water: Soluble.
Specific Gravity/Density: 068
Molecular formula:
Molecular Weight:

10. Stability and Reactivity.

Chemical Stability:

Stable.

Conditions to Avoid:

Incompatible materials, dust generation, excess heat.

Incompatibilities with Other Materials:

Non reported.

Hazardous Decomposition Products:

Irritation and toxic fumes and gases, acrid smoke and fume.

Hazardous Polymerization: Has not been reported.

11. Toxicological Information.

RTECS#:

CAS# 9000-30-0:MG0185000

LD50/LC50:

CAS# 9000-30-0: Oral, mouse: LD50 = 8100 mg/kg; Oral, rabbit: LD50 = 7 gm/kg;

Oral, rat: LD50 = 6770 mg/kg.

Carcinogenicity:

Guar gum--

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA

Epidemiology:

No information available.

Teratogenicity:

No information available.

Reproductive Effects:

No information available.

Neurotoxicity:

No information available.

Mutagenicity:

No information available.

Other Studies:

No data available.

12. Ecological information

Current information obtained indicates no ecological information available for Guar gums.

13. Disposal Consideration.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: Non listed.

RCRA U-Series: Non listed.

14. Transport Information.

US DOT

No information available.

Canadian TDG

No information available.

15. Other Regulatory Information.

US FEDERAL

TSCA

CAS# 9000-30-0 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

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.

SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

OSHA considers none of the chemicals in this product highly hazardous.

STATE

Guar gum is not present on state lists from CA, PA, MN, MA, FL, or NJ

California No Significant Risk Level:

None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazards Symbols: Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 9000-30-0:0

United Kingdom Occupational Exposure Limits.

Canada

CAS# 9000-30-0 is listed on Canada's DSL List.

This product has a WHMIS Classification of D2B.

CAS# 9000-30-0 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits.

16. Additional Information.

MSDS Creation Date: 1/09/2009 Revision #00 Date: 01/09/2009

The information above is believed to be accurate and represents the best information currently available. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits, or any special, indirect, incidental, consequential or exemplary damages, however arising, even if the company has been advised of the possibility of such damages.