



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

Material Safety Data Sheet (MSDS)

1. Product and Company Information

Product Name: Guar Gum (Industrial Grade)

CAS#: 9000-30-0

EC No. 232-536-8

Contact Information: MPL Products

22 Baddesley Way,
Canning Vale, WA 6155, Australia
Contact no. +61 421837661
Email: mplexim61@gmail.com

2. Hazards Identification

Globally Harmonised System

Hazard Classification: NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Signal Word: None

National Transport Commission (Australia):

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification: NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

3. Composition/Information on Ingredients

Guar Gum is obtained from a natural agricultural material - seeds of guar plant (Cyamopsis Tetragonoloba). Guar Gum is a natural occurring Galactomannan Polysaccharide with 2:1 Mannose:Galactose ratio.

4. First Aid Measures

Eye: Flush immediately with large amounts of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. If irritation persists, get medical attention.

Skin: first Aid is not normally needed. Wash exposed skin with soap and water after use. If irritation or rash develops, get medical attention. Use skin lotion if dryness occurs.

Inhalation: If symptoms of irritation or allergy develop, remove the person from source of exposure to fresh air. If symptoms persist, get medical attention.



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

Ingestion: Swallowing even small amount may have serious, life-threatening effects. Get immediate medical attention.

5. Firefighting Measures

General Information: In case of any fire event, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Run off from fire control or diluted water may cause pollution.

Extinguishing Media: Use an agent most appropriate to extinguish fire

Flash Point: Not available

Auto ignition Temperature: Not available

Explosion Limits:

Lower – Not available

Upper - Not available

NFPA Ratings: (estimated) Health: 1; Flammability: 0; Instability:0

6. Accidental Measures

Wear appropriate protective clothing and equipment.

Caution: Guar gum is very slippery when wet. Suspended dust may present a serious dust explosion hazard. Sweep up or vacuum clean to avoid the creation of airborne dust. Keep spilled product away from flammable and combustible materials. Use Vacuum equipment specifically designed for combustible dusts. Collect into a suitable container for disposal. Wash residual traces with hot water after sweep-up is complete. Check areas for residual slippery conditions.

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.



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

8. Exposure Controls/Personal Protection

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

Exposure Limits

Chemical	ACGIH	NIOSH	OSHA – Final PELs
Guar Gum	none listed	none listed	none listed

OSHA Vacated PELs:

Guar gum: No OSHA vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective glasses or chemical safety goggles as prescribed 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 29 CFR 1910.134 or European Standard EN149. Use a NIOSH/MSHA or European Standard EN149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. Physical and Chemical Properties

Boiling Point: Not applicable

Specific Gravity: Not applicable

Thermal Decomposition: Decomposes at >500 deg C

% Volatiles: Not applicable

Vapour Pressure: Not applicable

Evaporation Rate (Butyl Acetate=1): Not applicable

Vapour Density (Air=1): Not applicable

pH: 5-8

% Solubility in Water: Complete

Octanol/Water Partition Coefficient: Not applicable

Odour/Appearance: Creamy white powder with a bean like odour

10. Stability and Reactivity

Chemical stability: Stable

Conditions to avoid: Incompatible materials, dust generation, excess heat

Incompatibilities with other materials: None reported



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

Hazardous Decomposition Products: Irritating and toxic fumes and gases, acrid smoke, and fumes.

Hazardous Polymerization: Has not been reported.

11. Toxicological Information

The safety of Guar gum powder has been confirmed with acute toxicity, sub-acute toxicity, and mutagenicity test. No toxicity found with these tests.

12. Ecological Information

Ecotoxicity: Not available

BOD and COD: Not available

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available

13. Disposal Considerations

Dispose in compliance with all applicable federal, state, and local regulations. Do not dump down sewers or drains as this may cause blockage.

14. Transport Information

US Department of Transportation (DOT)

Popper Shipping Name: Not regulated

Hazard Class: N/A

UN/NA Code: N/A

Packing Group: N/A

Labels required: N/A

IMDG Code

Proper shipping Name: Not regulated

Hazard Class: N/A

UN/NA Code: N/A

Packing Group: N/A

Labels required: N/A

15. Regulatory Information

Regulatory Information

The US Food and Drug Administration, the European Economic Community and the World Health Organization accept guar gum as a food additive/ ingredient providing it meets



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

specified purity standards and dosage limitations. Maximum usage levels permitted may vary from country to country. Guar gum has been affirmed as GRAS by US Food and Drug Administration under title 21, CFR, part 184.1339; it is listed as item G.3 of Table IV, Division

16 of the Canadian Food and Drug Regulations and is referenced E-412 under the EEC Council Directives.

California Proposition 65: Guar gum is not a chemical known to the State of California to cause cancer or reproductive toxicity under the “Safe Drinking Water and Toxic Enforcement Act of 1986”.

Toxic Substances Control Act (TSCA): All components of this product are listed on the TSCA Inventory or exempt from notification requirements.

Canadian Environmental Protection Act: All the components of this product are listed on the Canadian Domestic Substances List or exempt from notification requirements.

European Inventory of Existing Commercial Chemical Substances (EINECS): All the components of this product are listed on the EINECS Inventory or exempt from notification requirements.

Japan MITI: All the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.

Australian Inventory of Chemical Substances: All components of this product are listed on the AICS Inventory or exempt from notification requirements.

16. Other Information

The information provided above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of the 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 purposes. In no event shall the supplier be liable for any claims, losses, or damage of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the supplier has been advised of the possibility of such damages.