

MATERIAL SAFETY DATA SHEET - MSDS

Efficacious Ingredients * Hygienically Stored & Processed * Convenient Deliveries

Product Name: Guar Gum - Cationic

INCI: Guar Hydroxypropyltrimonium Chloride

CAS number:

EINECS number:

Recommended Use: Raw Material for Topical Cosmetic Products

Supplier:

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SECTION 1: GENERAL INFORMATION AND CHEMICAL PRODUCT IDENTIFICATION

Chemical Name: Natural polymer derivative

SECTION 2: HARZARD INDENTIFICATION

Classification of the Chemical

Following GHS and within the meaning of 29 CFR 1910.1200 (OSHA)

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Hazard Pictograms:	None
Hazard Statements:	None
Precautionary Statements:	None
Special Provisions:	None
Ingredient(s) with Unknown Acute Toxicity	None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances	Not hazardous
Mixtures	N/A

SECTION 4: FIRST-AID MEASURES

In Case of Skin Contact:	Wash with plenty of water and soap.
In Case of Eye Contact:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
In Case of Ingestion:	Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
In Case of Inhalation:	Remove casualty to fresh air and keep warm and at rest.
Most Important Symptoms/Effects, Acute Indication of Immediate Medical Attention and Special Treatment Needed	None None

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water, Carbon Dioxide (CO ₂)
Unsuitable Extinguishing Media:	Not known
Specific Hazards Arising from the Chemical	Do not inhale explosion and combustion gases. Burning produces heavy smoke.
Hazardous Combustion Products:	None
Explosive Properties:	N.D.
Oxidizing Properties:	N.D.

Special Protective Equipment and Precautions for Firefighters:

Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: ACCIDENTAL RELEASE/SPILL PROCEDURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protection equipment.
Remove all sources of ignition.

Wear breathing apparatus if exposed to vapors/dusts/aerosols.
Provide adequate ventilation.
Remove persons to safety.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.

Methods and Materials for Containment and Cleaning Up
Wash with plenty of water.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid contact with skin and eyes, inhalation of vapors and mists.
Do not use on extensive surface areas in premises where there are occupants.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

Conditions for Safe Storage, including Any Incompatibilities:

Keep containers closed. Store in a dry place away from moisture.
Avoid accumulating electrostatic charge.
Keep away from food, drink and feed.

Incompatible Materials:	None
Instructions Regarding Storage Premises	Adequate ventilation in working area.
Storage Temperature:	Store at ambient temperature.
Packaging Suggested:	Paper bags

SECTION 8: PERSONAL PROTECTION

Control Parameters

TLV/TWA - Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS):	10 mg/mc as inhalable particles; 3mg/mc as respirable particles -
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Appropriate Engineering Controls:	None
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Individual Protection Measures

Eye Protection:	Not needed for normal use.
Protection for Skin:	No special precaution must be adopted for normal use.
Protection for Hands:	Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.
Respiratory Protection:	Use adequate protective respiratory equipment. Select NIOSH/MSHA approved equipment.
Thermal Hazards:	None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Color:	Powder	Bulk Density:	0.6 - 0.7 g/cm ³
Odor:	Slight	Solubility in Water:	Dispersible
Odor Threshold:	N.D.	Solubility in Oil:	N.D.
pH:	5.0 - 7.0 (10 g/l in water @ 20 C)	Partition Coefficient (n- octanol/water	N.D.
Melting Point/Freezing Point:	N.D.	Auto-Ignition Temperature:	N.D.
Initial Boiling Point and Boiling Rate:	N/A	Decomposition Temperature	N.D.
Solid/Gas Flammability:	N.D.	Viscosity:	N.D.
Upper/Lower Flammability or Explosion	N.D.	Miscibility:	N.D.
Vapor Density:	N.D.	Fat Solubility:	N.D.
Flash Point:	N.D.	Fat Solubility:	N.D.
Evaporation Rate:	N.D.	Conductivity:	N.D.
Vapor Pressure:	N.D.	Substance Groups Relevant Properties	N.D.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions. As organic product, usual precautions to avoid explosion of dusts are recommended.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Stable under normal conditions.
Conditions to Avoid:	Stable under normal conditions.
Incompatible Materials:	Strong oxidizers, strong bases and strong acids
Hazardous Decomposition Products:	Not known

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Toxicological Information of the Substance:

- a) Acute Toxicity: Irritation Skin: Repeated and prolonged contacts may cause slight irritation. - Source: By analogy to product with similar composition.

- b) Skin Corrosion/Irritation: Irritation Skin: Repeated and prolonged contacts may cause slight irritation. - Source: By analogy to product with similar composition.
- c) Serious Eye Damage/Irritation: Irritation Eye: Repeated and prolonged contacts may cause slight irritation. - Source: By analogy to product with similar composition.
- d) Respiratory or Skin Sensitization: Sensitization Skin: Not sensitizing. - Source: By analogy to product with similar composition.
- e) Germ Cell Mutagenicity: Mutagenesis: Not mutagenic. - Source: By analogy to product with similar composition.

Other:

Inhalation:

Prolonged dusts exposures may cause slight and temporary irritation to respiratory system. - Source: By analogy to product

Inhalation:

May cause allergic reactions in susceptible people. - Source: By analogy to product with similar composition.

Carcinogens Listing:

NTP: No
 IARC: No
 OSHA: No
 GHS: No

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Ecological Information of the Substance:

Aquatic Acute Toxicity: Algae EC50 > 10 - <100 m/l - Notes: By analogy to product with similar composition.

Persistence and Degradability

Ecological Information of the Substance:

Biodegradability: The natural polymer derivatives are not considered as readily biodegradable, showing a biodegradation value <60% (OECD 301) but they have no environmental concern due to the negligible bioaccumulation and can be easily removed in water treatment plants.

Bioaccumulative Potential

Ecological Information of the Substance:

Bioaccumulation: Not bioaccumulative - (Internal Evaluation) - Notes: By analogy to product with similar composition.

Mobility in Soil

Data not available.

Other Adverse Effects

None. Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment and Disposal Methods	If possible, recover the product in accordance with local regulation.
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SECTION 14: TRANSPORT INFORMATION

UN Number	N/A
Proper Shipping Name	N/A
Transport Hazard Class(es)	
US DOT:	Not regulated
Road (ADR):	Not regulated
Air (ICAO/IATA):	Not regulated
Sea (IMO/IMDG):	Not regulated
Packing Group	N/A
Environmental Hazards:	N/A
Special Precautions for User	N/A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	N.D.

SECTION 15: TRANSPORT INFORMATION

USA - Federal Regulations

TSCA - Toxic Substances Control Act	
TSCA Inventory: This substance is listed on the active TSCA inventory. TSCA	None

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substance	No
Section 304 - Hazardous Substances:	No
Section 313 - Toxic Chemical List:	No

CERCLA - Comprehensive

Environmental Response	No
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CAA - Clean Air Act

CWA Listed Substances:	No
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USA - State Specific Regulations

California Proposition 65	No
Massachusetts Right to Know	No
New Jersey Right to Know	No
Pennsylvania Right to Know	No
Regulatory Information USA:	

HMIS INFORMATION

HEALTH 1	4 = SEVERE
FLAMMABILITY 1	3 = SERIOUS
REACTIVITY 0	2 = MODERATE
PERSONAL PROTECTION E	1 = SLIGHT
E* Safety glasses, gloves, dust respirators	0 = MINIMAL

Sara Title III Section 311/312:

Non-hazardous

State Regulations:

Canadian Regulation:

All the ingredients as such or as a chemical group are registered in DSL.

Canadian WHMIS:

Non-hazardous

DISCLAIMER

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