

## MSDS SHEET

### 1. Identification of Substance/Preparation & Company

**PRODUCT NAME:** Gum Arabic

**Botanical Name:** Gum Acacia

**PRODUCT USE:** Food/Cosmetic

**SUPPLIER:** Botanic Planet Canada Inc. 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

**CAS Number:** 9000-01-5

**Phone / Fax:** 905-455-4444 / 905-455-8841

**Product Form:** Powder

**Emergency Tel No:** (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

### 2. Hazards Identification

None are known

### 3. Composition / Information on Ingredients

Substance:	CAS-No:	EG-No:	Symbol	H-Phrases
Gum Arabic	9000-01-5	232-519-5	None	None

### 4. First-Aid Measures

**INHALATION:** Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

**EYE CONTACT:** Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

**SKIN CONTACT:** Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

**INGESTION:** Rinse out mouth with water. Seek medical advice immediately.

**OTHER:** When assessing action take Risk & Safety Phrases into account (Section 15).

### 5. Fire Fighting Measures

**EXTINGUISHING MEDIA:** Use CO<sup>2</sup>, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

**SPECIAL MEASURES:** Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

**EXTINGUISHING PROCEDURES:** Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

### 6. Accidental Release Measures

**PERSONAL PRECAUTIONS:** Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

**ENVIRONMENT PRECAUTIONS:** Keep away from drains, soils, surface & ground waters. **CLEAN UP METHODS** Remove all potential ignition sources. Contain spilled material. Cover with an inert or FOR

**SPILLAGES:** non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

## 7. Handling & Storage

**PRECAUTIONS IN HANDLING:** Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

**STORAGE CONDITIONS:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

**FIRE PROTECTION:** Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## 8. Exposure Controls/Personal Protection

**RESPIRATORY PROTECTION:** Avoid breathing product vapour. Apply local ventilation where possible.

**VENTILATION:** Ensure good ventilation of working area.

**HAND PROTECTION:** Avoid all skin contact. Use chemically resistant gloves if required.

**EYE PROTECTION:** Use safety glasses.

**WORK / HYGIENE PRACTICES:** Wash hands with soap & water after handling.

## 9. Physical & Chemical Properties

**Physical state:** Lumps, granulates or fine/instant purified powders

**Colour: Resin:** yellowish to brown, white to beige powder

**Odour:** Odourless

**pH:** 4 - 5 (in 10% water) / slightly acidic

**Solubility in water:** about 500g/L

## 10. Stability & Reactivity

**REACTIVITY:** It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

**DECOMPOSITION:** Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide

and other non-identified organic compounds may be formed.

## 11. Toxicological Information

May be irritation to skin.

## 12. Ecological Information

**BIODEGRADABILITY:** Data not available

**PRECAUTIONS:** Prevent surface contamination of soil, ground & surface water.

## 13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

#### 14. Transport Regulations

ROAD (ADR/RID): n/a  
AIR (IATA/ICAO): n/a  
SEA (IMDG): n/a  
CHIP: See section 15

#### 15. Regulatory Information According to Directive 88/379/EEC

HAZARDS: n/a  
SYMBOLS: n/a  
RISK PHRASES: n/a  
SAFETY PHRASES: n/a

#### 16. Other Information



**For longer shelflife keep it away from heat, moisture and direct light**

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## Certificate of Analysis

**Name:** Gum Arabic / Gum acacia  
**INCI:** Gum acacia  
**Cas No.** 9000-01-5  
**Country of Origin:** Germany  
**Lot No:** BPCGA052023  
**Expiry:** May 2025

## Specifications

Parameter	Target value		Result	Method
	Minimum	Maximum		
Appearance	coarse grained, fast soluble spray-dried powder		conforms	
Solubility	dispersible in cold water forming a colloidal solution		conforms	
Identification	passes tests		conforms	Ph. Eur. / BP
Tragacanth	corresponding to the requirements		conforms	Ph. Eur. / BP
Sterculia gum	corresponding to the requirements		conforms	Ph. Eur. / BP
Starch, dextrin and agar	corresponding to the requirements		conforms	Ph. Eur. / BP
Glucose and fructose	corresponding to the requirements		conforms	Ph. Eur. / BP
Tannins	corresponding to the requirements		conforms	Ph. Eur. / BP
pH-value (25 % in H <sub>2</sub> O w/w)	4	5	4,7	PM GA 08
Total ash [%]		4,0	conforms	USP
Insoluble matter [%]		0,1	< 0,1	Ph. Eur.
Loss on drying [%]		10	9,0	Ph. Eur.
Colour (25 % in H <sub>2</sub> O w/w, Lovibond Tintometer, 1 inch optical cell)	4	10	6,7	PM GA 05
Viscosity after 24 h (25 % in H <sub>2</sub> O w/w) [mPa s] <sup>1)</sup>	60	100	65	PM GA 02
Specific optical rotation [°]	dextrorotatory		conforms	FCC
Heavy metals (as Pb) [ppm]		20	conforms	AAS
Total plate count [cfu / g]		3000	< 1000	ISO 4833
Yeast [cfu / g]		100	< 10	ISO 6611
Mould [cfu / g]		100	< 10	ISO 6611
E. coli [in 5 g]		absent	absent	ISO 16649-3 mod.
Salmonella spp. [in 25 g]		absent	absent	ISO 6579 mod.

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