

SAFETY DATA SHEET GUM ACACIA (GUM ARABIC)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product name	Gum Acacia (Gum Arabic)
Company	Agrigum International, St Mary's Court, The Broadway, Old Amersham Buckinghamshire HP7 0UT, UK Tel.: +44 (0)1494 590 590
Email	info@agrigum.com
Emergency Telephone Number	Tel.: +44 (0)1494 590 590 (All hours)
Date of issue	9 th February 2021 (Issue 3)

2. HAZARDS IDENTIFICATION

Principle Hazards of the Product:	
On Health	None
On the Environment	None
Physical and Chemical	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Composition	Complex polysaccharide
Product Class	Water soluble gums
CAS No.	9000-01-5
EINECS Number	232-519-5
Component Contributing to Identified Hazard	Not applicable
Residues/Impurities Contributing to Identified Hazard	Not applicable

4. FIRST AID MEASURES

Eye and Skin Contact	Flush area with excess of water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	If appreciable quantities are swallowed, seek medical attention.
Inhalation	If exposed to high dust concentration, remove person to fresh air. If breathing stops, administer artificial respiration and seek medical attention.

5. FIRE FIGHTING MEASURES

Flash Point	>90°C
Extinguishing Media	Carbon dioxide or dry chemical for small fires. Aqueous foam or water for large fires.
Explosion Hazards	As with all carbohydrate materials, a dust explosion hazard exists if the dust concentration in air is high. Spray-dried gum acacia is a S ₁ class 1 powder, with K _{st} = 63 bar m/s.

6. ACCIDENTAL RELEASE MEASURES

Wet Material	Absorb with inert material, collect for disposal.
Dry Powder	Sweep-up or vacuum. Avoid creating dust clouds.

7. HANDLING & STORAGE

Store in a dry place. Keep container closed to avoid moisture pick-up.

Avoid creating dust clouds and breathing dust when handling.

SAFETY DATA SHEET

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection	Wear approved dust or air-line respirator when exposure to dust is likely and ventilation inadequate.
Ventilation	Local exhaust recommended to control employee exposure. Mechanical exhaust not recommended as the sole means of controlling employee exposure.
Eye Protection	For operations where contact can occur, use safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white powder, crystalline granules or lumps.
Odour/Taste	Bland
pH	4 - 5
Solubility	100% soluble in water
Specific Density	1.0
Bulk Density	600-900 g/l (varies with form)
Melting Point	> 250°C
Boiling Point	> 250°C
Vapour Pressure	Not applicable

10. STABILITY AND REACTIVITY

Hazardous Reactions	None known
Stability	Stable under normal conditions
Conditions to Avoid	Fire, excessive heat
Hazardous Decomposition Products	When heated to decomposition, the fumes produced may include carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Practically non-toxic. ADI (EEC) not specified.
	Generally Recognised as Safe (GRAS).
Local effects	Inhalation of dust may produce a respiratory allergenic response and/or irritation in some individuals.
	Material essentially non-irritating, slight transient irritation may occur.
	May cause severe eye injury - damage reversible

12. ECOLOGICAL INFORMATION

Degradability	This product is biodegradable.
Water Hazards	This product is not a marine pollutant as defined by the International Maritime Organisation.

13. DISPOSAL CONSIDERATIONS

Disposal	Incinerate or dispose of in a landfill, according to local regulations. This material is not defined as a hazardous waste.
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14. TRANSPORT INFORMATION

IMO	Non-hazardous
ICAO/IATA	Non-hazardous
RID/ADR	Non-hazardous
Shipping Name	Gums - natural NO1BN

All gum acacia supplied by Agrigum International is food grade and should be transported on dedicated vehicles if intended for human consumption.

15. REGULATORY INFORMATION

European Regulation (EC) No 1907/2006: Exemption according to annex V.8 (REACH)

European Regulation (EC) No 1272/2008 (CLP): Not applicable

16. OTHER INFORMATION

None