



2023-10-16

SAFETY DATA SHEET

May be used to comply with U.S. Department of Labor
 OSHA's Hazard Communication Standard, Occupational Safety and Health Administration
 29 CFR 1910. 1200. (Non-Mandatory Form)
 Standard must be consulted for specific requirements. OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : **GUM ARABIC** (PG 507, PG 557)
 Manufacturer : HOLBEIN Works, Ltd.
 Address : 2-2-5, Ueshio, Chuo-ku, Osaka-shi
 OSAKA 542-0064 JAPAN
 Telephone Number for information : 81-6-6191-7722
 Emergency Telephone Number : 81-72-985-1222 (HOLBEIN Labo, Ltd.)
 Preparer : ALAKI, Yutaka

§ 2 - HAZARD IDENTIFICATION

Classification : Non-regulated
 Danger : May be combustible at high temperature.
 Respiratory Sensitization : Category 1 / Inhalation may cause allergy
 Chronic Health Effects : Not known to aggravate medical condition.
 Signal : Warning
 Labeling Element : CL (cf. §11)

Gum Arabic may use for food manufacturing



§ 3 - COMPOSITION / INGREDIENTS

Components	(Specific Chemical Identity, Common Name(s), C.I. No)	CAS. No.
Gum Arabic *	(not specified)	9000-01-5

* : Natural gum made from the branches of acacia senegal trees.

§ 4 - FIRST AID MEASURES

General advice : No hazards which require special first aid measures.
 Eyes : In case of eye contact, rinse with plenty of water.
 Consult an eye specialist if necessary.
 Ingestion : Rinse mouth with water. Immediately call medical advice if throat got
 clogged. Since Gum Arabic is analyzed for use in food manufacturing, there
 is no serious problem.
 Skin Contact : Wash with mild soap and water. Get medical attention if irritation develops.
 Inhalation : Forming dust, our Gum Arabic may be inhaled and then irritate mucosa.
 Blow nose immediately. Ask medical advice if show symptoms of allergy.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : May be combustible at extra high temperature.
 Flash Point : 220 ° C (Referential data)
 Auto-ignition Point : No Data Available
 Combustion Products : Carbon oxide

Extinguishing Method :	Take off fire or other flammable materials, and use with extinguishing tools.
Extinguishing Media :	Water, Carbon oxide.
Special Remarks on Fire Hazards :	Although a literature says that the concentrated dust may be capable of creating a dust explosion, we don't know the real case.

§ 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate tools to put the spilled grains or granular powder in a convenient waste disposal container. And then sweep off. Wet powder may make anyone slip.

Environmental Precautions : No special precautions required.

§ 7 - HANDLING AND STORAGE

Precautions to Be Taken in Handling :	Avoid coming into contact with eyes. Avoid inhalation of powder.
Precautions to Be Taken in Storing :	Prevent to be moist. Avoid strong redolent materials. Do not allow temperature to rise.

§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection :	Avoid inhaling dust. Use protective equipment, goggle, mask and/or glove, if necessary.
Administrative Levels :	Not been defined.
Threshold Limit Value :	No data available
Tolerance Concentration :	No data available

§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance :	White, or slightly yellow granular powder
Volatile :	None
Odor :	None
Specific Gravity (H ₂ O = 1) :	ca.1
Melting Point, Boiling Point :	N/A
Vapor Density, Pressure :	N/A
Evaporation Rate :	N/A
pH :	4~5
Solubility in Water :	Soluble

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers :	Flammable at high temperature
Stability :	Stable under normal state
Reactivity :	None
Incompatibility (Materials to Avoid) :	None
Corrosive Behavior :	No

§ 11 - TOXICOLOGICAL INFORMATION

Gum arabic is food additive, and doesn't have particular toxicity.

Primary Routes of Entry :	Dermal, eye contact, swallowing, ingestion, inhalation
Oral Toxicity (LD ₅₀) :	> 16,000 mg/kg (Rat, Mouse)
Inhalation :	May irritate mucosa. Because of tacky flour, gum arabic adheres on airway mucosal, and may cause allergy.
Effects of Chronic Exposure :	None known
Skin irritation :	May cause allergy
Eye irritation :	May irritant

Carcinogenicity : No data available
Sensitization, Mutagenicity : Not expected
Teratogenicity, Reproductive Toxicity : No data available

§ 12 - ECOLOGICAL INFORMATION

Persistence and Degradability : Biodegradable

§ 13 - DISPOSAL CONSIDERATIONS

No suitable information is available.
Suitable for processing at an appropriate government waste disposal facility.

§ 14 - TRANSPORT INFORMATION

UN Proper Shipping Name : Not dangerous goods
Identification : N/A
UN-number : N/A
Transport Hazard Class : N/A
Package Group : N/A

§ 15 - REGULATORY INFORMATION

Industrial Safety and Health Law : N/A

Fire Service Law : N/A

Gum Arabic is conformed to ACMI, Art & Creative Materials Institute, under ASTM D 4236.
Classified as CL product.

AP Approved Product : Contain no materials in sufficient quantities to be toxic or injurious to humans.

CL Cautionary Label : Any known health risks and with information on the safe and proper use of these materials

§ 16 - OTHER INFORMATION

Notice: The information of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties.