



SAFETY DATA SHEET

2023-10-12

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910. 1200.
 Standard must be consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : **GUM DAMMAR** (PG 503, PG 553)

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 : Not been classified as dangerous.
 GHS label elements : Void
 Danger : Combustible at high temperature.
 Potential Acute Health Effects : Especially none
 Potential Chronic Health Effects : Not known to aggravate medical condition.

Dammar resin may use for food manufacturing

§ 3 - COMPOSITION / INGREDIENTS

Components	(Specific Chemical Identity, Common Name(s), C.I. No)	CAS. No.
Dammar Resin*	(not specified)	9000-16-2

* : Natural gum, made from of the extractive from dipterocarp 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 dammar resin is analyzed for use in food manufacturing,
 there is no serious problem.
 Skin Contact : Wash well with running water and mild soap. Get medical attention if
 irritation develops.
 Inhalation : Acts as dust. Blow nose if feel itchy. Ask medical advice if show
 symptoms of allergy.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : Combustible at extra high temperature.
 Flash Point, 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 : Especially none

§ 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 : 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 : Yellowish granule

Volatile : -

Odor : None

Specific Gravity (H₂O = 1) : 1.04

Softening Point : 70~80°C

Boiling Point : N/A

Vapor Density (Air = 1) : N/A

Vapor Pressure (Butyl Acetate = 1) : N/A

Evaporation Rate : N/A

pH : -

Solubility in Water : Insoluble in water. Soluble in organic solvent.

§ 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

Dammar resin is food additive, and doesn't have particular toxicity.

Primary Routes of Entry : Dermal, eye contact, swallowing, ingestion, inhalation

Oral Toxicity (LD₅₀) : > 16g/kg (Rat, Mouse)

Inhalation : May irritate mucosa.

Effects of Chronic Exposure : None known

Skin irritation : May cause allergy

Eye irritation : May irritant

Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity : No data available

§ 12 - ECOLOGICAL INFORMATION

No suitable information and no specific data are available.

§ 13 - DISPOSAL CONSIDERATIONS

No suitable information is available.

Suitable for processing at an appropriate government waste disposal facility.

§ 14 - TRANSPORT INFORMATION

Precaution for Transport : None, especially
UN Proper Shipping Name : Not dangerous goods
UN Number : N/A
Transport Hazard Class : N/A
Packing Group : N/A

§ 15 - REGULATORY INFORMATION

Industrial Safety and Health Law : N/A

Fire Service Law : N/A

Conforms to ACMI under ASTM D 4236, and is classified into AP genre of ACMI system.

ACMI : The Art & Creative Materials Institute, Inc.

ASTM : ASTM International (Former “American Society for Testing and Materials”)

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.