



SAFETY DATA SHEET

2025-3-11

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) :

AM451、AM481、AM521、AM551	Gel Medium
AM452、AM482、AM522	Gel Medium Hard
AM453、AM483、AM523	Gel Medium Matte
AM454、AM484、AM524	Gel Medium High Solid
AM455、AM485、AM525	Gel Medium Soft Body
AM456、AM486、AM526、AM556	Gel Medium Heavy Body
AM457、AM487、AM527、AM557	Crystal Gel Medium

Manufacturer : HOLBEIN Works, Ltd.
Address : 1-3-14, Hishiya-nishi, Higashi-osaka-shi
OSAKA 577-0807, JAPAN
Telephone Number for information : 81-6-6191-7722
Emergency Telephone Number : 81-72-985-122 2 (HOLBEIN Labo, Ltd.)
Preparer : ALAKI, Yutaka

§ 2 - HAZARD IDENTIFICATION

This product is water-based and not classified as dangerous for supply or conveyance.
The ingredients are water-reducible and falls well within the acceptable safety limits.

GHS label elements Void

Classification :	Non-regulated
Danger :	Nonflammable
Hazard information :	Especially none
Skin Irritation :	Category 3 (not heavy)
Eye Effects :	Category 2B (light)
Ecological consideration :	Especially none

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture

Components (Specific Chemical Identity, Common Name (s))

Acrylic resin	Acrylic-Metacrylic Copolymer Emulsion *	25852-37-3
Matting agent	Silica, Silicon Dioxide, SiO ₂ **	7631-86-9
Dispersant	Sodium Polycarboxylate	25549-84-2
Moisturizer	Propylene Glycol	57-55-6
Thickener	Polyacrylate	9003-01-4
Thickener	Polyurethane Resin ***	secret
pH agent	Dimethylaminoethanol	108-01-0
Preservative (Fungicide)	Benzimidazole	148-79-8
Preservative (Antiseptic)	Benzisothiazoline	2634-33-5

* : Main ingredient, ** : Matte alone, *** : Crystal alone

§ 4 - FIRST AID MEASURES

Eyes : In case of eye contact, rinse with plenty of water and if necessary consult an eye specialist.
Ingestion : In case of swallowing, drink plenty of water. Induce vomiting. If you feel unwell, seek medical advice.
Skin Contact : Upon skin contact, wash with plenty of water, soap or other non-irritating cleansing agents.
Inhalation : Upon inhalation of aerosol/vapor, take the person to fresh air

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : Not combustible
Flash Point, Ignition Point : Not below 100 °C
Combustion Products : Formation of carbon dioxide and/or ash.
Extinguishing Media : Water (Foam, Dry powder and Carbon dioxide, if necessary)

§ 6 - ACCIDENTAL RELEASE MEASURES

Accidental Release Measures : Wipe off.
Environmental Precautions : Prevent spills from entering storm sewers or drains and contact with soil.

§ 7 - HANDLING AND STORAGE

Precautions for Storing : Keep from freezing.

§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Avoid invasion to the eyes or body. Avoid prolonged or repeated contact with skin.
Wash mouth or hands well after use. Avoid inhaling aerosols.

§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance and Odor : White Paste with faint acrylic odor
Specific Gravity (H₂O = 1) : 1.06 (Gel Medium, High Solid, Soft Body)
1.03 (Hard), 1.10 (Matte)
1.07 (Heavy Body) 1.04 (Crystal)
Boiling Point : Approx. 100 °C
Vapor Density (Air = 1) : —
Vapor Pressure (Butyl Acetate = 1) : ≒ Water
pH : 7~8
Solubility in Water : Can be diluted. Not so, after dried.

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable
Stability : Stable under normal state
Reactivity : None
Byproducts : Carbon dioxide and water in case of fire.
No thermal decomposition when stored and handled correctly.
Incompatibility (Materials to Avoid) : None

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing
Oral Toxicity : The products may flocculate by gastric acid.
Eye irritation : Irritant, but not damage the organization

Skin irritation : Irritant by repeated or prolonged contact, and may cause inflammation.

Inhalation Toxicity : Although some of raw materials are pointed to may stimulate eyes and respiratory organs with their vapor or mists under highly concentrated state, the toxic act of these products is not confirmed.

Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity :
No data available on products.

§ 12 - ECOLOGICAL INFORMATION

Fish Toxicity : Emulsion may obstruct the breathing of fishes, if excess products pours.

§ 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with national and/or local regulations.
Avoid entry into the sewage system (danger of clogging).
The product is suitable for processing at an appropriate government waste disposal facility.

§ 14 - TRANSPORT INFORMATION

Precautions for Transport : None, especially
UN Proper Shipping Name : Not applicable
UN Number : N/A
UN Hazard Class : N/A
Packing Group : N/A

§ 15 - REGULATORY INFORMATION

Danger Class : N/A (Not flammable liquid)
Fire Service Law (Japan) : N/A
Pollutant Release and Transfer Register : N/A

Conforms to ACMI under ASTM D 4236, and are classified into AP and/or CL genre of ACMI system. See the table of Appendix.

ACMI : The Art & Creative Materials Institute, Inc.
ASTM : ASTM International (Former "American Society for Testing and 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.

APPENDIX Table Information of Gel Medium

Name	Hazardous ingredient	Classification	
Gel Medium	-	AP	AP (Approved Product) : Contain no materials in sufficient quantities to be toxic or injurious to humans.
Gel Medium Hard	-	AP	
Gel Medium Matte	-	AP	
Gel Medium High Solid	-	CL	CL (Cautionary Label) : Any known health risks and with information on the safe and proper use of these materials
Gel Medium Soft Body	-	AP	
Gel Medium Heavy Body	-	CL	
Crystal Gel Medium	-	AP	