



2017-1-26

## SAFETY DATA SHEET

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 Soft Body
AM457、AM487、AM527、AM557	Crystal Gel Medium

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 : 81-72-985-1221  
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.  
Ecological consideration : Especially none

GHS label elements Void

Classification : Non-regulated  
Danger : Nonflammable on product, and flammable after dry.  
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	* : Main ingredient	
Components (Specific Chemical Identity, Common Name (s))		
Acrylic resin	Acrylic-Metacrylic Copolymer Emulsion *	25852-37-3
Matting agent	Silica, Silicon Dioxide, SiO <sub>2</sub> **	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	Benzimidazole	148-79-8

Preservative

Benzisothiazoline

2634-33-5

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

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**§ 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
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**§ 5 - FIRE AND EXPLOSION HAZARD DATA**

- Flammability : Not combustible unless dried up
- 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)
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**§ 6 - ACCIDENTAL RELEASE MEASURES**

- Accidental Release Measures : Wipe off.
- Environmental Precautions : Prevent spills from entering storm sewers or drains and contact with soil.
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**§ 7 - HANDLING AND STORAGE**

- Precautions for Storing : Keep from freezing.
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**§ 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.
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**§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS**

- Appearance and Odor : White Paste with faint acrylic odor
- Specific Gravity (H<sub>2</sub>O = 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.
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**§ 10 - HAZARD INFORMATION AND STABILITY**

- Physical Dangers : Nonflammable on product.
- 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
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**§ 11 - TOXICOLOGICAL INFORMATION**

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing  
 Oral Toxicity : The products may flocculate by gastric acid. Toxicity of Gel Mediums themselves is not confirmed.  
 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 Class : N/A  
 UN Number : N/A  
 Packing Group : N/A

**§ 15 - REGULATORY INFORMATION**

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236.  
 Danger Class : N/A (Not flammable liquid)  
 Fire Service Law : N/A  
 Industrial Safety and Health Law : N/A  
 Pollutant Release and Transfer Register : N/A

**§ 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
Gel Medium Hard	-	AP
Gel Medium Matte	-	AP
Gel Medium High Solid	-	AP
Gel Medium Soft Body	-	AP
Gel Medium Heavy Soft Body	-	AP
Crystal Gel Medium	-	AP

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