



# SAFETY DATA SHEET

2017-1-30

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) :

AM411、AM471、AM511、AM541	Modeling Paste
AM443、AM473、AM513、AM543	Modeling Paste Light
AM442、AM472	Modeling Paste High Solid
AM444、AM474	Modeling Paste Coarse
AM445、AM475	Modeling Paste Coarse Pumice
AM446、AM476	Modeling Paste Extra Coarse Pumice

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.

GHS label elements Void

Classification : Non-regulated  
Danger : Nonflammable on product, and flammable after dry.  
Hazard information : Especially none  
Ecological consideration : Especially none

## § 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture \*: Main ingredient

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

Pigment *	Calcium carbonate, CaCO <sub>3</sub>	471-34-1
Pigment *	Borosilicate glass, (Si-Na-Ca-B) Ox~z	registered
Pigment *	Clay, Al <sub>2</sub> O <sub>3</sub> ·2SiO <sub>2</sub> ·2H <sub>2</sub> O	1332-58-7
Pigment *	Pearlite, SiO <sub>2</sub> ·xAl <sub>2</sub> O <sub>3</sub> ·yNa <sub>2</sub> O·zK <sub>2</sub> O	93763-70-3
Pigment *	Pumice, xSiO <sub>2</sub> ·yAl <sub>2</sub> O <sub>3</sub>	1332-09-08
Binder *	Acrylic-Metacrylic Copolymer Emulsion	25852-37-3
Dispersant	Sodium Polycarboxylate	25549-84-2
Moisturizer	Propylene Glycol	57-55-6
Thickener	Polyacrylate	9003-01-4
pH Agent	Dimethylaminoethanol	108-01-0

Preservative  
Preservative

Benzimidazole  
Benzisothiazoline

148-79-8  
2634-33-5

\* Application of pigment :

	Modeling Paste	Light	High Solid	Coarse	Coarse Pumice	Extra Coarse Pumice
Calcium carbonate	○	-	○	-	-	-
Borosilicate glass	-	○	○	-	-	-
Clay	-	-	-	○	-	-
Pearlite	-	-	-	-	○	○
Pumice	-	-	-	-	○	○

#### § 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 unless dried up
- Flash Point, Ignition Point : Not below 100 ° C
- Combustion Products : Formation of carbon dioxide and oxide of metal according to pigment.
- 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 (H<sub>2</sub>O = 1) : 1.69 (Modeling paste), 0.68 (Light), 1.07 (High solid), 0.95 (Coarse), 0.99 (Coarse Pumice), 1.31 (Extra Coarse Pumice)
- 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 on product.  
Stability : Stable under normal state  
Reactivity : None  
Byproducts : Carbon dioxide, oxides of calcium or aluminum 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. Toxicity of  
Modeling Pastes themselves is not confirmed.

Individual Information : See the table of Appendix.

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

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

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

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236.

---

---

**§ 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 Modeling Paste**

Name	Classification
Modeling Paste	AP
Modeling Paste Light	AP
Modeling Paste High Solid	AP
Modeling Paste Coarse	AP
Modeling Paste Coarse Pumice	AP
Modeling Paste Extra Coarse Pumice	AP

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