SAFETY DATA SHEET

2025-3-10

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) :

AM441、AM471、AM511、AM541	Modeling Paste
AM443、AM473、AM513、AM543	Modeling Paste Light
AM442、AM472	Modeling Paste High Solid
AM444、AM474	Modeling Paste Pumice
AM445、AM475	Modeling Paste Coarse Pumice
AM446、AM476	Modeling Paste Extra Coarse Pumice

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 : 81-72-985-1222 (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.

Classification : Non-regulated
Danger : Nonflammable
Hazard information : Especially none
Ecological consideration : Especially none
GHS label elements : Void

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture *: Main ingredient

Components	(Specific Chemical Identity, Common Name (s))	
Pigment *	Calcium carbonate, $CaCO_3$	471-34-1
Pigment *	Borosilicate glass, (Si-Na-Ca-B) Ox～z	Registered
Pigment *	Pearlite, $SiO_2 \cdot xAl_2O_3 \cdot yNa_2O \cdot zK_2O$	93763-70-3
Pigment *	Pumice, $xSiO_2 \cdot yAl_2O_3$	1332-09-8
Binder *	Acrylic-Metacrylic Copolymer Emulsion	25852-37-3
Dispersant	—	Registered
Moisturizer	Propylene Glycol	57-55-6
Thickener	Acrylic Resin	25212-88-8
pH Agent	Dimethylaminoethanol	108-01-0
Preservative	Benzimidazole	148-79-8

Preservative	Benzisothiazoline	2634-33-5

* Application of pigment :

	Modeling Paste	Light	High Solid	Pumice	Coarse Pumice	Extra Coarse Pumice
Calcium carbonate	○	-	○	-	-	-
Borosilicate glass	-	○	○	-	-	-
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
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_2O = 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
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 Proper Shipping Name :	Not applicable
UN Number :	Not applicable
UN Hazard Class :	Not applicable
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 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”)

§ 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 Pumice	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.