



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 ₃ | 471-34-1 |
| Pigment * | Borosilicate glass, (Si-Na-Ca-B) O _x ~z | registered |
| Pigment * | Clay, Al ₂ O ₃ ·2SiO ₂ ·2H ₂ O | 1332-58-7 |
| Pigment * | Pearlite, SiO ₂ ·xAl ₂ O ₃ ·yNa ₂ O·zK ₂ O | 93763-70-3 |
| Pigment * | Pumice, xSiO ₂ ·yAl ₂ O ₃ | 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
PreservativeBenzimidazole
Benzisothiazoline148-79-8
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 (H₂O = 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