



## SAFETY DATA SHEET

U.S. Department of Labor

May be used to comply with Occupational Safety and Health Administration OSHA's Hazard Communication Standard, (Non-Mandatory Form) 29 CFR 1910. 1200.

Standard must be Form Approved consulted for specific requirements. OMB No.1218-0072

### § 1 - IDENTITY INFORMATION

Product Name (as used on label and list) :

AM 570, AM 571, AM 791 GLOSS MEDIUM  
 AM 572, AM 792 MATTE MEDIUM  
 AM 575 PAINTING MEDIUM  
 AM 496, AM 576, AM 586) OPAQUE 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  
 Date Prepared : 2015-5-25  
 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))			Application			
Pigment	(Clay, Al <sub>2</sub> O <sub>3</sub> ·2SiO <sub>2</sub> ·2H <sub>2</sub> O)	1332-58-7	—	—	P	O
Pigment	(Silica, SiO <sub>2</sub> )	7631-86-9	—	M	P	O
Binder	(Acrylic-Metacrylic Copolymer Emulsion)	25852-37-3	G	M	P	O
Dispersant	(Sodium Polycarboxylate)	25549-84-2	—	M	P	O
Moisturizer	(Propylene Glycol)	57-55-6	G	M	P	O
Thickener	(Polyacrylate)	9003-01-4	—	—	P	O
pH Agent	(Dimethylaminoethanol)	108-01-0	G	—	P	O
Preservative	(Benzimidazole)	148-79-8 TBZ	G	M	P	O
Preservative	(Benzisothiazoline)	2634-33-5	G	M	P	O
Water			—	—	P	O

G : Gloss Medium, M : Matte Medium, P : Painting Medium, O : Opaque Medium

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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. If there is difficulty in breathing, medical advice is required.

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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 oxides of metal according to pigment.
- Precaution for Firefighters : Do not inhale combustion gases.
- Extinguishing Media : Water (Foam, Dry powder and Carbon dioxide, if necessary)
- Unusual Fire and Explosion Hazards : Material will not support combustion unless the water has evaporated.

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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**

	Gloss Medium	Matte Medium	Painting Medium	Opaque Medium
Appearance:	Milk-white liquid		White viscous liquid	
Odor :	Faint acrylic odor			
Specific Gravity (H <sub>2</sub> O = 1) :	1.05	1.08	1.0	1.31
Boiling Point :	Approx. 100° C			
Vapor Density (Air = 1) :	—			
Vapor Pressure (Butyl Acetate = 1) :	simile. 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, silicon dioxide (original ingredient)

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 this media itself 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 : 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.

Individual Information : See the table of Appendix.

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#### § 12 - ECOLOGICAL INFORMATION

Fish Toxicity : It is pointed that acrylic polymer emulsion may obstruct the breathing of fishes, if excess products pours.

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#### § 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations : Dispose in accordance with national and/or local regulations.  
Avoid entry into the sewage system (danger of clogging).

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#### § 14 - TRANSPORT INFORMATION

Precautions for Transport : None, especially  
UN Class : N/A  
UN Number : N/A

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#### § 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.

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#### § 16 - OTHER INFORMATION

Notice : All information contained herein is for references and guidance for normal use, and not for all conceivable conditions of handling and use. The responsibility for irregular use belongs to user individuals. All information are under our knowledge of today, and not secure the perfection. All information may change according to circumstances.

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## APPENDIX

Name	Table Notice	Information of LIQUID PAINTING MEDIA Classification
Gloss Medium	-	AP
Matte Medium	-	AP
Painting Medium	-	AP
Opaque Medium	-	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