



SAFETY DATA SHEET

2018-8-7

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) :

(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

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))	CAS
Pigment (Clay, $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$)	1332-58-7
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/Fugicide (Thiabendazole)	148-79-8
Preservative/Antiseptic (Benzisothiazoline)	2634-33-5
Water	—

§ 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 : This product does not been inhaled.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability :	Not combustible
Flash Point, Ignition Point :	Not applicable
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)

§ 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.
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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.

§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance:	White viscous liquid
Odor :	Faint acrylic odor
Specific Gravity (H ₂ O = 1) :	1.31
Boiling Point :	approx. 100° C
Vapor Density (Air = 1) :	—
Vapor Pressure (Butyl Acetate = 1) :	quasi 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, silicon dioxide (original ingredient) 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 this medium 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 :	This product does not been inhaled. The toxic act of these products is not confirmed.
Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity :	No data available on products.

Other Information : Opaque Medium is classified as AP product in the ACMI system.

ACMI : The Art & Creative Materials Institute, Inc.

ASTM : ASTM International (Former “American Society for Testing and Materials”)

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

§ 12 - ECOLOGICAL INFORMATION

Fish Toxicity : It is pointed that acrylic polymer 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).

§ 14 - TRANSPORT INFORMATION

Precautions for Transport : None, especially
UN Proper Shipping Name : Not applicable
UN Number : N/A
UN Hazard Class : 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

§ 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.