



# SAFETY DATA SHEET

2017-1-31

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) : **CRYSTAL VARNISH (A796, AM573)**  
 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 not classified as dangerous for supply or conveyance.  
 This product is water-based and not classified as dangerous for supply or conveyance.

GHS label elements Void

Classification : Non-regulated

Danger : Nonflammable on product, and flammable after dry.

Hazard information, Ecological consideration : Especially none

## § 3 - COMPOSITION / INGREDIENTS

Substance/Mixture: Mixture (\*: Main ingredient)

Components	(Specific Chemical Identity, Common Name(s), C.I. No)	CAS. No.
Resin*	(Acrylic-Metacrylic Copolymer Emulsion)	25852-37-3
Moisturizer	(Propylene Glycol)	57-55-6
Preservative	(Benzisothiazol)	2634-33-5
Preservative	(2-(4-thiazolyl)-benzimidazole)	148-79-8

## § 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.

## § 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 silicon dioxide (original ingredient)  
 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 to Be Taken in Handling and 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

Appearance : Semi-transparent White liquid  
 Odor : Faint acrylic odor  
 Specific Gravity (H<sub>2</sub>O = 1) : 1.03  
 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..

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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 varnishes 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.

Other Information : Crystal Varnish is classified as AP product in ACMI system.

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

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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

Dispose in accordance with national and/or local regulations.  
Avoid entry directly 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  
Packing Group : 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.