



SAFETY DATA SHEET

2020-8-8

May be used to comply with U.S. Department of Labor
 OSHA's Hazard Communication Standard, Occupational Safety and Health Administration
 29 CFR 1910.1200. (Non-Mandatory Form)
 Standard must be consulted for specific requirements. OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : **CRYSTAL VARNISH** (AM 413, AM 573)
 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.

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

§ 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
 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.

§ 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 to Be Taken in Handling and 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 : Semi-transparent White liquid
 Odor : Faint acrylic odor
 Specific Gravity (H₂O = 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..

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable
 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 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.

§ 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

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

§ 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 : Not applicable

§ 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 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")

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

§ 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.