



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) : **HOLBEIN ACRYLIC COLORS FLUID**

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

Components (Specific Chemical Identity, Common Name (s))

Colorant *	(Pigment)	
Binder **	(Acrylic-Metacrylic Copolymer Emulsion)	CAS No. 25852-37-3
Dispersant	(Sodium Polycarboxylate)	CAS No. 25549-84-2
Moisturizer	(Propylene Glycol)	CAS No. 57-55-6
Thickener	(Polyacrylate)	CAS No. 9003-01-4
pH Agent	(Dimethylaminoethanol)	CAS No. 108-01-0
Preservative	(Benzimidazole)	CAS No. 148-79-8
Preservative	(Benzisothiazoline)	CAS No. 2634-33-5

* and * * are Main Ingredients.

* Safety information is shown on Table 1 of appendix.

§ 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 Method : Regular
- Extinguishing Media : Water (Foam, Dry powder and Carbon dioxide, if necessary)
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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

- Appearance and Odor : Colored Paste with faint acrylic odor
- Specific Gravity (H₂O = 1) : 1.06~1.28 (av. 1.145)
- Boiling Point : Approx. 100° C
- Vapor Density (Air = 1) : —
- Vapor Pressure (Butyl Acetate = 1) : Same as water
- pH : 7.5~8.5
- 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, oxide of metal according to pigment and water in case of fire.
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.

On pigments, to be noted.:

Cobalt Blue, Cerulean Blue : Contains soluble Cobalt, induce anemia and heart or lungs damage. Actually, doesn't work as dangerous material.

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 acrylic colors 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

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 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: 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.

Appendix

Table 1 Safety information of Acrylic Colors FLUID

Name	Caution	Classification	Name	Caution	Classification
Aqua Blue	-	AP	Primary Cyan	-	AP
Bamboo Green	-	AP	Primary Magenta	-	AP
Burnt Sienna	-	AP	Primary White	-	AP
Burnt Umber	-	AP	Primary Yellow	-	AP
Cerulean Blue	Co	AP	Pyrrrole Orange	-	AP
Cobalt Blue	Co	AP	Pyrrrole Red	-	AP
Dioxazine Violet	-	AP	Pyrrrole Rubin	-	AP
Greenish Yellow	-	AP	Quinacridone Crimson	-	AP
Hansa Yellow	-	AP	Quinacridone Gold	-	AP
Hansa Yellow Lemon	-	AP	Quinacridone Magenta	-	AP
Hooker's Green	-	AP	Quinacridone Red	-	AP
Imidazolone Brown	-	AP	Quinacridone Violet	-	AP
Imidazolone Orange	-	AP	Raw Sienna	-	AP
Imidazolone Yellow	-	AP	Raw Umber	-	AP
Indanthrene Blue	-	AP	Sap Green	-	AP
Isoindolinone Yellow	-	AP	Sepia	-	AP
Lamp Black	-	AP	Shadow Green	-	AP
Luminous Lemon	-	AP	Shell Pink	-	AP
Luminous Opera	-	AP	Titanium White	-	AP
Manganese Blue Nova	-	AP	Ultramarine Blue	-	AP
Marigold	-	AP	Viridian Hue	-	AP
Mauve	-	AP	Yellow Ochre	-	AP
Naphthol Red	-	AP	Zinc White	-	AP
Naphthol Red Deep	-	AP			
Naphthol Red Light	-	AP			
Naples Yellow	-	AP			
Nickel Azo Yellow	-	AP			
Oxide of Chromium	-	AP			
Payne's Grey	-	AP			
Pearl Gold	-	AP			
Pearl Silver	-	AP			
Pearl White	-	AP			
Perylene Maroon	-	AP			
Phthalo Blue	-	AP			
Phthalo Green	-	AP			
Phthalo Turquoise	-	AP			
Primary Black	-	AP			

Co : Consists of cobalt. Actually, doesn't work as dangerous material.

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