



SAFETY DATA SHEET

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. Form Approved OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : **HOLBEIN ACRYLA GOUACHE (HAG)**

Manufacturer : **HOLBEIN Works, Ltd.**

Address : **2-2-5, Ueshio, Chuo-ku, OSAKA 542-0064 JAPAN**

Telephone Number for information : **81-6-6723-1555**

Department for Emergency : **Technical division**

Telephone Number : **81-72-985-1221**

Date Prepared : **2016-6-15**

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.

Danger : Nonflammable on product, and flammable after dry.

GHS label elements : Void

Eye irritation : Class 2A (Irritant)

Skin irritation : Class 1 (Irritant, inflammation)

Oral Toxicity : Toxicity of this product is not confirmed.

On pigments of two products, to be noted.

Blue Violet : Class 2 (contains Michler's ketone, carcinogen)

Jet Black : Class 2 (soluble Copper, induce anemia)

Ecological consideration : As fish toxicity, acrylic polymer emulsion may obstruct the
 breathing of fishes, in case of pouring the excess colors to river
 or pond.



§3 - COMPOSITION / INGREDIENTS

Substance/Mixture:Mixture (* : Main Ingredients.)

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

Colorant *	(Pigment)	
Binder *	(Acrylic-Metacrylic Copolymer Emulsion)	CAS 25852-37-3
Dispersant	(Sodium Polycarboxylate)	CAS 25549-84-2
Moisturizer	(Propylene Glycol)	CAS 57-55-6
Thickener	(Polyacrylate)	CAS 9003-01-4
pH Agent	(Dimethylaminoethanol)	CAS 108-01-0
Preservative	(Benzimidazole)	CAS 148-79-8
Preservative	(Benzisothiazoline)	CAS 2634-33-5

Colorant, pigment, is shown in our catalogue.

§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 oxide of metal according to pigment.
Extinguishing Method : Regular
Extinguishing Media : Water (Foam, Dry powder and Carbon dioxide, if necessary)
Precaution for Firefighters : Do not inhale combustion gases.

§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 : None, especially

§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 and Odor : Colored Paste with faint acrylic odor
Specific Gravity (H₂O = 1) : 1.1~1.5 (Av. 1.37)
Boiling Point : Approx. 100°C
Vapor Density (Air = 1) : -
pH : 7.5~8.5
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, oxides of metals and water in case of fire.
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 : Toxicity of acrylic colors is not confirmed. On pigments, to be noted.
Blue Violet : Contains Michler's ketone, carcinogen
Jet Black : Soluble Copper, induce anemia
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 : Acrylic polymer emulsion may obstruct the breathing of fishes, in case of pouring the excess colors to river or pond.

§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, UN Number : N/A

§15 - REGULATORY INFORMATION

Danger Class : N/A (Not flammable liquid)
Fire Service Law, 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.

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Table COLOR INFORMATION

- Cu : Copper
 FA : Formaldehyde
 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

Name	Hazardous ingredient	Classification	Name	Hazardous ingredient	Classification
Aqua Blue	-	AP	Misty Blue	-	AP
Ash Blue	-	AP	Misty Green	-	AP
Ash Green	-	AP	Mustard	-	AP
Ash Yellow	-	AP	Naples Yellow	-	AP
Ash Rose	-	AP	Navy Blue	-	AP
Beige	-	AP	Neutral Grey No.1	-	AP
Blue Green	-	AP	Neutral Grey No.2	-	AP
Blue Violet	FA	CL	Neutral Grey No.3	-	AP
Bronze	-	AP	Neutral Grey No.4	-	AP
Burnt Sienna	-	AP	Olive	-	AP
Burnt Umber	-	AP	Opera	-	AP
Carmin	-	AP	Orange	-	AP
Cerulean Blue	-	AP	Orange Yellow	-	AP
Chinese White	-	AP	Pale Aqua	-	AP
Cobalt Blue	-	AP	Pale Gold	-	AP
Cobalt Green	-	AP	Pale Lavender	-	AP
Coral Red	-	AP	Pale Lilac	-	AP
Cosmos Pink	-	AP	Pale Lime	-	AP
Cream Yellow	-	AP	Pale Mint	-	AP
Crimson	-	AP	Pale Peach	-	AP
Deep Green	-	AP	Pale Pink	-	AP
Deep Magenta	-	AP	Peacock Blue	-	AP
Deep Violet	-	AP	Pink	-	AP
Deep Yellow	-	AP	Primary Black	-	AP
Emerald Green	-	AP	Primary Cyan	-	AP
Flesh	-	AP	Primary Magenta	-	AP
Gold	-	AP	Primary White	-	AP
Grass Green	-	AP	Primary Yellow	-	AP
Green	-	AP	Prussian Blue	-	AP
Horizon Blue	-	AP	Pure Red	-	AP
Ice Green	-	AP	Raw Sienna	-	AP
Ivory White	-	AP	Raw Umber	-	AP
Jaune Brillant	-	AP	Red Violet	-	AP
Jet Black	Cu	CL	Rose	-	AP
Lamp Black	-	AP	Rose Violet	-	AP
Leaf Green	-	AP	Sap Green	-	AP
Lemon Yellow	-	AP	Scarlet	-	AP
Light Blue	-	AP	Sepia	-	AP
Light Green	-	AP	Shell Pink	-	AP
Light Magenta	-	AP	Silver	-	AP
Light Red Bright	-	AP	Sky Blue	-	AP
Light Yellow	-	AP	Smalt Blue	-	AP
Lilac	-	AP	Titanium White	-	AP
Luminous Green	-	AP	Turquoise Blue	-	AP
Luminous Lemon	-	AP	Ultramarine Blue	-	AP
Luminous Orange	-	AP	Ultramarine Blue Deep	-	AP
Luminous Red	-	AP	Vermilion	-	AP
Magenta	-	AP	Violet	-	AP
Metallic Blue	-	AP	Viridian	-	AP
Metallic Green	-	AP	Wine Red	-	AP
Metallic Red	-	AP	Yellow	-	AP
Metallic Violet	-	AP	Yellow Ochre	-	AP
Metallic White	-	AP			
Metallic Yellow	-	AP			
Mint Green	-	AP			