



Material Safety Data Sheet

U.S.Department of Labor

May be used to comply with Occupational Safety and Health Administration OSHA's
Hazard Communication Standard, (Non-Mandatory Form) 29 CFR 1910. 1200.
Standard must be Form Approved consulted for specific requirements.OMB No.1218-0072

§ 1 – IDENTITY INFORMATION

Product Name (as used on label and list)	ARTISTS' GOUACHE (HGC)
Manufacturer	HOLBEIN Works, Ltd.
Address	1-3-14, Hishiya-nishi, Higashi-osaka-shi, OSAKA 577-0807 JAPAN
Telephone Number for information	81-6-6723-1555
Emergency Telephone Number	81-72-985-1223
Date Prepared	2013-6-18
Preparer	ALAKI, Yutaka

§ 2 – HAZARD IDENTIFICATION

This product is water-based and not classified as dangerous for supply or conveyance.
The ingredients are waterreduceable 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 :	Some colors are indicated as harmful. (cf. § 11 - TOXICOLOGICAL INFORMATION)
Ecological consideration :	Especially none

§ 3 – COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture

Components	(Specific Chemical Identity, Common Name (s))	
Colorant	(Pigment)*	
Binder	(Gum Arabic)**	CAS No. 9000-01-5
Dispersant	(Ox Gall)***	CAS No. 8008-63-7
Moisturizer	(Polyethylene Glycol)	CAS No. 7732-18-5
Preservative	(Benzisothiazoline)	CAS No. 2634-33-5

*, ** and *** are Main Ingredients.

*** are not always used.

§ 4 – FIRST AID MEASURES

Eyes :	In case of eye contact, rinse with plenty of water and if necessary consult an eye specialst.
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 : N/A
 Flash Point, Ignition Point : N/A
 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 unique odor
 Specific Gravity (H₂O = 1) : 1.1~2.0 (Av. 1.45)
 Boiling Point : Approx. 100°C
 Vapor Density (Air = 1) : —
 Vapor Pressure (Butyl Acetate = 1) : simile. Water
 Solubility in Water : Can be diluted. Can be influenced 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 : Although some of raw materials are pointed as some toxicity, the toxic act of them are not acute. Toxicity of gouache themselves is not confirmed.

On pigments, to be noted.:

Colors named with Cadmium, Jaune Brillant #1 & #2, Naples Yellow, : Contains Cadmium ingredient, influences to fetus, induce kidney or lungs damage.

Cobalt Blue, Cerulean Blue, Cobalt Violet : Contains soluble Cobalt, induce anemia and heart or lungs damage.

Jet Black : Soluble Copper, induce anemia

Violet, Blue Violet, Magenta, Opera : Contains formaldehyde, irritant, allergen, carcinogen

(See Appendix, Table COLOR INFORMATION)

Eye irritation : Irritant to some person, but do 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

HGC 3/4

respiratory organs with their vapor or mists under highly concentrated state, the toxic act of gouache is not confirmed.

Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity :
No data available on products.

§ 12 – ECOLOGICAL INFORMATION

Fish Toxicity : Not been certified.

§ 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

§ 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.

Appendix

Table COLOR INFORMATION

Cd	Cadmium			Jaune Brillant #2	Se-Cd	AP
Co	Cobalt			Jet Black	Cu	CL
Cu	Copper			Katsura Blue	-	
Se-Cd	Selenium-Cadmium			Leaf Green	-	
				Lemon Yellow	-	
AP	Approved Product : Contain no materials in sufficient quantities to be toxic or injurious to humans.			Lilac	-	
				Magenta	-	
				Marigold	-	
CL	Cautionary Label : Any known health risks and with information on the safe and proper use of these materials			Moss Green	-	
				Naples Yellow	Cd	AP
				Naples Yellow Italian	Cd	AP
				Navy Blue	-	
Name	Hazardous ingredient			Olive Green	-	
				Opera	-	
Alizarin Crimson	-			Peacock Blue	-	
Aqua Blue	-			Pearl Copper	-	
Ash Blue	-			Pearl Gold	-	
Ash Green	-			Pearl White	-	
Blue Violet	-			Perm Green Deep	-	
Brilliant Gold	-			Perm Green Light	-	
Brilliant Orange	-			Perm White	-	
Brilliant Pink	-			Perm Yellow	-	
Brilliant Silver	-			Perm Yellow Deep	-	
Burnt Sienna	-			Perm Yellow Orange	-	
Burnt Umber	-			Pink	-	
Cad Green	Cd	AP		Primary Black	-	
Cad Green Deep	Cd	AP		Primary Cyan	-	
Cad Green Pale	Cd	AP		Primary Magenta	-	
Cad Red	Se-Cd		CL	Primary White	-	
Cad Red Deep	Se-Cd	AP		Primary Yellow	-	
Cad Red Purple	Se-Cd		CL	Prussian Blue	-	
Cad Yellow	Cd		CL	Pure Blue	-	
Cad Yellow Lemon	Cd	AP		Pure Red	-	
Cad Yellow Orange	Se-Cd	AP		Raw Sienna	-	
Carmine	-			Raw Umber	-	
Cerulean Blue	Co	AP		Rich Gold	-	
Chinese Orange	-			Rose	-	
Cobalt Blue	Co	AP		Rose Violet	-	
Cobalt Green Pale	Co	AP		Sepia	-	
Cobalt Turquoise	Co	AP		Silver	-	
Cobalt Violet	Co		CL	Smalt Blue	-	
Cyprus Green	-			Terre Verte	-	
Dark Green	-			Turquoise Blue	Co	AP
Emerald Green	-			Turquoise Green	-	
Flame Red	-			Ultra Deep	-	
Geranium	-			Ultra Light	-	
Grey #1	-			Violet	-	
Grey #2	-			Viridian	-	
Grey #3	-			Yellow Ochre	-	
Ice Blue	-			Zinc White	-	
Iris	-					
Ivory Black	-					
Jaune Brillant #1	Se-Cd	AP				