



## 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' WATER COLOR (HWC)
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	2013-9-19
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 9000-01-5
Dispersant	(Ox Gall)***	CAS 8008-63-7
Moisturizer	(Glycerine)	CAS 56-81-5
Preservative	(Benzisothiazoline)	CAS 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.

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**§ 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.

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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 :	None, especially
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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 unique odor
Specific Gravity (H <sub>2</sub> O = 1) :	1.10~1.95 (Av. 1.43)
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.

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**§ 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

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**§ 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 water colors themselves is not confirmed.
On pigments, to be noted (see Appendix, Table COLOR INFORMATION) :	
Colors named with Cadmium, Vermilion, Naples Yellow and Jaune Brillants :	Consists cadmium ingredient. Soluble cadmium in Vermilion may influence to fetus and induce kidney or lungs damage.
Cobalt Blue, Cerulean Blue, Cobalt Violet Light :	Consists cobalt ingredient. Soluble cobalt in Cobalt Violet Light may induce anemia and heart or lungs damage.
Peach Black :	Contains soluble Copper, induce anemia.
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

respiratory organs with their vapor or mists under highly concentrated state, the toxic act of HWC itself 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.

## § 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

		Name	Hazardous ingredient	
Cd	Cadmium			
Co	Cobalt			
Cu	Copper	Aureolin	-	AP
Se-Cd	Selenium-Cadmium	Bamboo Green	-	AP
		Blue Grey	-	AP
AP	Approved Product : Contain no materials in sufficient quantities to be toxic or injurious to humans.	Bright Rose	-	AP
		Bright Violet	-	AP
		Brilliant Orange	-	AP
		Brilliant Pink	-	AP
CL	Cautionary Label : Any known health risks and with information on the safe and proper use of these materials	Brown Madder	-	AP
		Burnt Sienna	-	AP
AP/CL		Burnt Umber	-	AP
		Cadmium Green Dee	-	AP

Cadmium Green Pale	-	AP	Paynes Grey	-	AP
Cadmium Red Deep	-	AP	Peach Black	-	AP/CL
Cadmium Red Light	-	AP	Peacock Blue	-	AP
Cadmium Red Orange	-	AP	Permanent Alizarin Crimson	-	AP
Cadmium Red Purple	-	AP	Permanent Green #1	-	AP
Cadmium Yellow Deep	-	AP	Permanent Green #2	-	AP
Cadmium Yellow Lemon	-	AP	Permanent Green #3	-	AP
Cadmium Yellow Light	-	AP	Permanent Red	-	AP
Cadmium Yellow Orange	-	AP	Permanent Rose	-	AP
Cadmium Yellow Pale	-	AP	Permanent Violet	-	AP
Carmine/Alizarin Crimson	-	AP	Permanent Yellow Deep	-	AP
Cerulean Blue	-	AP	Permanent Yellow Lemon	-	AP
Cherry Red	-	AP	Permanent Yellow Light	-	AP
Chinese White	-	AP	Permanent Yellow Orange	-	AP
Cobalt Blue	-	AP	Perylene Maroon	-	AP
Cobalt Blue Hue	-	AP	Phthalo Blue Red Shade	-	AP
Cobalt Green	-	AP	Phthalo Blue Yellow Shade	-	AP
Cobalt Green Yellow Shade	-	AP	Prussian Blue	-	AP
Cobalt Turquoise Light	-	AP	Pyrrole Red	-	AP
Cobalt Violet Light	Cobalt	CL	Pyrrole Rubin	-	AP
Compose Blue	-	AP	Quinacridone Gold	-	AP
Compose Green	-	AP	Quinacridone Magenta	-	AP
Compose Green #2	-	AP	Quinacridone Red	-	AP
Compose Green #3	-	AP	Quinacridone Violet	-	AP
Crimson Lake	-	AP	Raw Sienna	-	AP
Davy'S Grey	-	AP	Raw Umber	-	AP
Emerald Green	-	AP	Rose Madder	-	AP
Gamboge Nova	-	AP	Royal Blue	-	AP
Gold	-	AP	Sap Green	-	AP
Green Grey	-	AP	Scarlet Lake	-	AP
Greenish Yellow	-	AP	Sepia	-	AP
Grey of Grey	-	AP	Shadow Green	-	AP
Hooker'S Green	-	AP	Shell Pink	-	AP
Horizon Blue	-	AP	Silver	-	AP
Imidazolone Brown	-	AP	Terre Verte	-	AP
Imidazolone Lemon	-	AP	Titanium White	-	AP
Imidazolone Yellow	-	AP	Turquoise Blue	-	AP
Indian Red	-	AP	Ultramarine Deep	-	AP
Indian Yellow	-	AP	Ultramarine Light	-	AP
Indigo	-	AP	Umber	-	AP
Isoindolinone Yellow Deep	-	AP	Vandyke Brown	-	AP
Ivory Black	-	AP	Verditer Blue	-	AP
Jaune Brilliant #1	-	AP	Vermilion	Cadmium	AP/CL
Jaune Brilliant #2	-	AP	Vermilion Hue	-	AP
Lamp Black	-	AP	Violet Grey	-	AP
Lavender	-	AP	Viridian	-	AP
Leaf Green	-	AP	Viridian Hue	-	AP
Lemon Yellow	-	AP	Yellow Grey	-	AP
Light Red	-	AP	Yellow Ochre	-	AP
Lilac	-	AP			
Manganese Blue Nova	-	AP			
Marine Blue	-	AP			
Mars Violet	-	AP			
Mars Yellow	-	AP			
Mineral Viole	-	AP			
Naples Yellow	-	AP			
Neutral Tint	-	AP			
Olive Green	-	AP			
Opera	-	AP			