



SAFETY DATA SHEET

2022-5-26

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)
Form Approved OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : **ARTISTS' WATER COLOR (HWC)**

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.

Classification : **Non-regulated**
Danger : **Nonflammable**
Hazard information : **Some colors are indicated as harmful.
(cf. §11 - TOXICOLOGICAL INFORMATION)**
Ecological consideration : **Epecially none**

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : **Mixture**

Components	(Specific Chemical Identity, Common Name(s), C.I. No)	CAS. No.
Colorant *	Pigment, shown in our catalogue	
Binder	Gum Arabic **	9000-01-5
Moisturizer	Glycerin	56-81-5
Dispersant	Ox Gall ***	8008-63-7
Preservative/Fungicide	Thiabendazole C ₁₀ H ₇ N ₃ S	148-79-8
Preservative/Antiseptic	Benzisothiazol C ₇ H ₅ NOS	2634-33-5
Water		7732-18-5

*, ** : Main ingredients. Gum arabic is food additive.

*** : Not applied in some colors

§ 4 - FIRST AID MEASURES

Eyes : **In case of eye contact, NEVER rub. Then rinse with plenty of water and if necessary consult an eye specialist.**

Ingestion : **In case of swallowing, drink plenty of water. Induce vomiting. Seek medical attention according to amount of product ingested. If CL is shown on label, confirm name of pigment with appendix of this sheet and seek medical attention.**

Skin Contact : **Wash with mild soap and water.**

Inhalation : This product does not been inhaled. Upon inhalation of aerosol/vapor, blow your nose and sinus rinse is acceptable.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : N/A
 Flash Point : N/A
 Autoignition Point : N/A
 Combustion Products : Formation of carbon dioxide and oxides of metal according to pigment.
 Extinguishing Method : Regular
 Extinguishing Media : Water mist, Foam, Dry powder, CO₂
 No special media required
 Ineligible Extinguishing Media : Straight stream (or Solid stream) water
 Precaution for Firefighters : Do not inhale combustion gases.

§ 6 - ACCIDENTAL RELEASE MEASURES

Method : Wipe off.

§ 7 - HANDLING AND STORAGE

Precautions for Storing : Especially none.

§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection : Avoid invasion to the eyes or body. Avoid prolonged or repeated contact with skin. Wash mouth or hands well after use.

§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : Colored paste
 Odor : Own smell
 Specific Gravity : 1.10~1.95 (Av. 1.43)
 Melting Point : —
 Boiling Point : quasi Water
 Solubility in Water : Can be diluted

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable
 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

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing, Ingestion
 Oral Toxicity : Although some of raw materials are pointed as some toxicity, the toxic act of them is not acute. Toxicity of water colors themselves is not confirmed.

The injury from pigment is noted in the catalogue as follows (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.

Inhalation : 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.

Skin irritation : Irritant by repeated or prolonged contact, and may cause inflammation.

Eye irritation : Irritant to some person, but do not damage the organization

Effects of Chronic Exposure, Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity,
Reproductive Toxicity : No specific data is available for HWC

§ 12 - ECOLOGICAL INFORMATION

No suitable information

Fish Toxicity : Not been certified.

§ 13 - DISPOSAL CONSIDERATIONS

To be processed at an appropriate government waste disposal facility according the treatment for aqueous paints.

§ 14 - TRANSPORT INFORMATION

Precautions for Transport : None, especially
UN Proper Shipping Name : N/A
UN Number : N/A
UN Hazard Class : N/A
Packing Group : N/A

§ 15 - REGULATORY INFORMATION

Danger Class : N/A (Not flammable)
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 (see Appendix, Table COLOR INFORMATION)

ACMI : The Art & Creative Materials Institute, Inc.

ASTM : ASTM International (Former "American Society for Testing and Materials")

§ 16 - OTHER INFORMATION

Notice : The information of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties.

Appendix

Table COLOR INFORMATION

Name	Notice	Classification	Cadmium Green Pale	Cd	AP
Aureolin	—	AP	Cadmium Red	Cd	AP
Bamboo Green	—	AP	Cadmium Red Deep	Cd	AP
Bright Rose (Luminous)	—	AP	Cadmium Red Light	Cd	AP
Bright Violet (Luminous)	—	AP	Cadmium Red Orange	Cd	AP
Brilliant Orange	—	AP	Cadmium Yellow	Cd	AP
Brilliant Pink	—	AP	Cadmium Yellow Deep	Cd	AP
Burnt Sienna	—	AP	Cadmium Yellow Light	Cd	AP
Burnt Umber	—	AP	Cadmium Yellow Orange	Cd	AP
Cadmium Green Deep	Cd	AP	Cadmium Yellow Pale	Cd	AP

Carmin	—	AP	Permanent Green #2	—	AP
Cerulean Blue	Co	AP	Permanent Violet	—	AP
Chinese White	—	AP	Permanent Yellow Deep	—	AP
Cobalt Blue	—	AP	Permanent Yellow Lemon	—	AP
Cobalt Blue Hue	—	AP	Permanent Yellow Light	—	AP
Cobalt Green	—	AP	Permanent Yellow Orange	—	AP
Cobalt Turquoise Light	—	AP	Perylene Maroon	—	AP
Cobalt Violet Light	Co	CL	Phthlo Blue Red Shade	—	AP
Compose Blue	—	AP	Phthlo Blue Yellow Shade	—	AP
Compose Green	—	AP	Prussian Blue	—	AP
Crimson Lake	—	AP	Pyrrole Red	—	AP
Davy's Grey	—	AP	Pyrrole Rubin	—	AP
Emerald Green Nova	—	AP	Quinacridone Gold	—	AP
Gamboge Nova	—	AP	Quinacridone Magenta (Rose Violet)	—	AP
Gold	—	AP	Quinacridone Red	—	AP
Green Grey	—	AP	Quinacridone Scarlet (Cherry Red)	—	AP
Greenish Yellow	—	AP	Quinacridone Violet (Permanet Magenta)	—	AP
Grey of Grey	—	AP	Raw Sienna	—	AP
Hooker's Green	—	AP	Raw Umber	—	AP
Horizon Blue	—	AP	Rose Madder	—	AP
Imidazolone Brown	—	AP	Royal Blue	—	AP
Imidazolone Lemon	—	AP	Sap Green	—	AP
Imidazolone Yellow	—	AP	Scarlet Lake	—	AP
Indian Red	—	AP	Sepia	—	AP
Indigo	—	AP	Shadow Green	—	AP
Isoindolinone Yellow Deep	—	AP	Shell Pink	—	AP
Ivory Black	—	AP	Silver	—	AP
Jaune Brillant #1	Cd	AP	Terre Verte	—	AP
Jaune Brillant #2	Cd	AP	Titanium White (Opaque White)	—	AP
Lamp Black	—	AP	Turquoise Blue	—	AP
Lavender	—	AP	Ultra Deep	—	AP
Leaf Green	—	AP	Ultra Light	—	AP
Lemon Yellow	—	AP	Umber	—	AP
Light Red	—	AP	Vandyke Brown	—	AP
Lilac	—	AP	Verditer Blue	Co	AP
Manganese Blue Nova	—	AP	Vermilion	Cd	AP
Marine Blue	—	AP	Vermilion Hue	—	AP
Mars Violet	—	AP	Viridian	—	AP
Mineral Violet	—	AP	Viridian Hue	—	AP
Naples Yellow	Cd	AP	Yellow Grey	—	AP
Neutral Tint	—	AP	Yellow Ochre	—	AP
Olive Green	—	AP			
Opera (Quinacridone Opera)	—	AP			
Payne's Grey	—	AP	Cd	Cadmium	
Peach Black	Cu	CL	Co	Cobalt	
Peacock Blue	—	AP	Cu	Copper	
Permanent Alizarin Crimson	—	AP	Se-Cd	Selenium-Cadmium	
Permanent Green #1	—	AP			

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

AP/CL AP on small tube (5ml), CL on large tube (15ml)