



SAFETY DATA SHEET

2023-10-2

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 : 81-72-985-1222 (HOLBEIN Labo, Ltd.)
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 : Especially 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, (CH ₂ OH) ₂ ·CHOH	56-81-5
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.

§ 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	Name	Notice	Classification
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
Cadmium Green Pale	Cd	AP	Carmine	—	AP

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

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)