



SAFETY DATA SHEET

2017-1-30

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)
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.

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), C.I. No) CAS. No.

Colorant *	(Pigment, shown in table on catalogue)	
Binder	(Gum Arabic)**	9000-01-5
Dispersant	(Ox Gall)***	8008-63-7
Moisturizer	(Glycerin)	56-81-5
Preservative	(Benzisothiazoline)	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 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 : 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) : 1.10~1.95 (Av. 1.43)
 Boiling Point : Approx. 100°C
 Vapor Density (Air = 1) : —
 Vapor Pressure (Butyl Acetate = 1) : ≐ 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 is 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

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

Packing Group : 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	Notice	Classification	Name	Notice	Classification
Aureolin	Co	AP	Indian Red	-	AP
Bamboo Green	-	AP	Indian Yellow	-	AP
Blue Grey	-	AP	Indigo	-	AP
Bright Rose	-	AP	Isoindolinone Yellow Deep	-	AP
Bright Violet	-	AP	Ivory Black	-	AP
Brilliant Orange	-	AP	Jaune Brilliant #1	Se-Cd	AP
Brilliant Pink	-	AP	Jaune Brilliant #2	Se-Cd	AP
Brown Madder	-	AP	Lamp Black	-	AP
Burnt Sienna	-	AP	Lavender	-	AP
Burnt Umber	-	AP	Leaf Green	-	AP
Cadmium Green Dee	Cd	AP	Lemon Yellow	-	AP
Cadmium Green Pale	Cd	AP	Light Red	-	AP
Cadmium Red Deep	Se-Cd	AP	Lilac	-	AP
Cadmium Red Light	Se-Cd	AP	Manganese Blue Nova	-	AP
Cadmium Red Orange	Se-Cd	AP	Marine Blue	-	AP
Cadmium Red Purple	Se-Cd	AP	Mars Violet	-	AP
Cadmium Yellow Deep	Se-Cd	AP	Mars Yellow	-	AP
Cadmium Yellow Lemon	Cd	AP	Mineral Violet	-	AP
Cadmium Yellow Light	Cd	AP	Naples Yellow	Cd	AP
Cadmium Yellow Orange	Se-Cd	AP	Neutral Tint	-	AP
Cadmium Yellow Pale	Cd	AP	Olive Green	-	AP
Carmine/Alizarin Crimson	-	AP	Opera	-	AP
Cerulean Blue	Co	AP	Payne's Grey	-	AP
Cherry Red	-	AP	Peach Black	Cu	CL
Chinese White	-	AP	Peacock Blue	-	AP
Cobalt Blue	Co	AP	Permanent Alizarin Crimson	-	AP
Cobalt Blue Hue	-	AP	Permanent Green #1	-	AP
Cobalt Green	-	AP	Permanent Green #2	-	AP
Cobalt Green Yellow Shade	-	AP	Permanent Green #3	-	AP
Cobalt Turquoise Light	Co	AP	Permanent Red	-	AP
Cobalt Violet Light	Co	CL	Permanent Rose	-	AP
Compose Blue	-	AP	Permanent Violet	-	AP
Compose Green	-	AP	Permanent Yellow Deep	-	AP
Compose Green #2	-	AP	Permanent Yellow Lemon	-	AP
Compose Green #3	-	AP	Permanent Yellow Light	-	AP
Crimson Lake	-	AP	Permanent Yellow Orange	-	AP
Davy's Grey	-	AP	Perylene Maroon	-	AP
Emerald Green	-	AP	Phthalo Blue Red Shade	-	AP
Gamboge Nova	-	AP	Phthalo Blue Yellow Shade	-	AP
Gold	-	AP	Prussian Blue	-	AP
Green Grey	-	AP	Pyrrole Red	-	AP
Greenish Yellow	-	AP	Pyrrole Rubin	-	AP
Grey of Grey	-	AP	Quinacridone Gold	-	AP
Hooker's Green	-	AP	Quinacridone Magenta	-	AP
Horizon Blue	-	AP	Quinacridone Red	-	AP
Imidazolone Brown	-	AP	Quinacridone Violet	-	AP
Imidazolone Lemon	-	AP	Raw Sienna	-	AP
Imidazolone Yellow	-	AP	Raw Umber	-	AP

Name	Notice	Classification
Rose Madder	-	AP
Royal Blue	-	AP
Sap Green	-	AP
Scarlet Lake	-	AP
Sepia	-	AP
Shadow Green	-	AP
Shell Pink	-	AP
Silver	-	AP
Terre Verte	-	AP
Titanium White	-	AP
Turquoise Blue	-	AP
Ultramarine Deep	-	AP
Ultramarine Light	-	AP
Umber	-	AP
Vandyke Brown	-	AP
Verditer Blue	Co	AP
Vermilion	Se-Cd	AP
Vermilion Hue	-	AP
Violet Grey	-	AP
Viridian	-	AP
Viridian Hue	-	AP
Yellow Grey	-	AP
Yellow Ochre	-	AP

Cd Cadmium

Co Cobalt

Cu Copper

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

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