



SAFETY DATA SHEET

2017-1-30

May be used to comply with U.S. Department of Labor
 OSHA's Hazard Communication Standard, Occupational Safety and Health Administration
 29 CFR 1910.1200. (Non-Mandatory Form)
 Standard must be consulted for specific requirements. OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : **HOLBEIN ARTISTS' WATER COLOR
 (Pan Color, HPN)**

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.

Danger : Not flammable, yet not declare as nonflammable. Not explosive

GHS label elements : Void
 Classification : Non-regulated

Hazard information : Especially none (cf. 11 Toxicological Information)
 Skin Irritation : Category 3 (Long time or repeated contact may irritate to skin and may cause inflammation.)

Eye Effects : Category 3 (When dropped into eyes, may be irritant physically to the eye mucous membrane and cause keratitis.)

Ingestive Effects : May be aggregated by the gastric acid.

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture of some ingredients

Components (Specific Chemical Identity, Common Name)		CAS No.
Pigment	(Colorants)	see Catalogue
Binder	(Gum Arabic)*	—
Moisturizer	(Glycerin)	(CH ₂ OH) ₂ ·CHOH
Preservative	(Benzisothiazol)	C ₇ H ₅ NOS
Preservative	(2-(4-thiazolyl)-benzimidazole)	C ₁₀ H ₇ N ₃ S
Water *		7732-18-5

§ 4 - FIRST AID MEASURES

Inhalation : This product is not inhaled.
 Skin Contact : Wash with mild soap and water.

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 and induce vomiting. Seek medical attention and tell the name of pigment according to the necessity.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : Material will not support combustion.
 Flash Point, Auto-ignition Point : N/A
 Combustion Products : Formation of carbon oxide and oxide of metal according to pigment.
 Precaution for Firefighters : Especially none.

§ 6 - ACCIDENTAL RELEASE MEASURES

Wipe off

§ 7 - HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storing :
 Avoid prolonged or repeated contact with skin and eyes. Especially none to be care of fire.

§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Especially none
 Personal Protection : Especially none

§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : Rectangular colored block
 Odor : Own smell
 Specific Gravity (H₂O = 1) : 1.6~2.4 (Av. 2.1)
 Melting Point, Boiling Point : N/A
 Vapor Density, Vapor Pressure : N/A
 Solubility in Water : ∞

§ 10 - HAZARD INFORMATION AND STABILITY

Flammability : Not support combustion
 Stability : Stable under normal state
 Reactivity : None
 Incompatibility (Materials to Avoid) : None
 Hazardous Decomposition or Byproducts : None known. In a case of inorganic pigment, individual oxides may form.

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Eye contact, swallowing, ingestion
 Oral Toxicity (LD₅₀) : Depend on pigment. Not confirmed each. Even if hazardous, doesn't practically act acutely.

The harmful pigments are noted on catalog as follows ;

Cadmium group, Jaune Brillant and Naples Yellow : Contains soluble Cadmium which may be harmful by ingestion. Long time ingestion may cause damage to the kidneys or testes or harm to the developing fetus.

Cobalt group and Cerulean Blue : Contains soluble Cobalt which may be harmful if swallowed. Long time ingestion may damage heart or lungs.

Information of individual is shown on the table "Color Information" of appendix.

Effects of inhalation : Since it doesn't be used in the spray technique, it may not be inhaled.

Effects of Acute or Chronic Exposure : None known

Summary Comments : May cause severe eye irritation like ocular lesions to some person.

Skin irritation : Long time or repeated contact may irritate to skin and may cause inflammation.

Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity: None known

§ 12 - ECOLOGICAL INFORMATION

Fish : No suitable information on product

Accumulation : Depend on pigment.

Soil : Effect of each ingredient is not confirmed. It only works as color stain

§ 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations : To be treated as one of the flammable materials, under the law, local rule or an appropriate government waste disposal facility.

§ 14 - TRANSPORT INFORMATION

UN Proper Shipping Name : Nonflammable

UN-number : N/A

Transport Hazard Class : N/A

Tariff code : 1301.20.0000 (Gum arabic)

Hazard Class : Non-regulated

UN Number : N/A

§ 15 - REGULATORY INFORMATION

The rule or law which is to be applied is especially none.

§ 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		Name	Hazardous Ingredient	Class
Co	Cobalt				
Cu	Copper				
Se-Cd	Selenium-Cadmium		Imidazolone Yellow		AP
			Indian Red		AP
			Indian Yellow		AP
AP	Approved Product : Contain no materials in sufficient quantities to be toxic or injurious to humans.		Ivory Black		AP
			Jaune Brillant	SeCd	AP
			Leaf Green		AP
CL	Cautionary Label : Any known health risks and with information on the safe and proper use of these materials		Lemon Yellow		AP
			Marine Blue		AP
			Naphthol Red		AP
			Naples Yellow	Cd	AP
			Olive Green		AP
			Opera		AP
			Payne's Grey		AP
			Peach Black	Cu	AP
			Permanent Alizarin Crimson		AP
			Phthalo Blue		AP
			Prussian Blue		AP
		Cd	Pyrrol Red		AP
		Se-Cd	Quinacridone Magenta		AP
		Se-Cd	Raw Sienna		AP
		Cd	Raw Umber		AP
		Cd	Royal Blue		AP
			Sap Green		AP
		Co	Sepia		AP
			Shadow Green		AP
		Co	Ultramarine Deep		AP
		Co	Ultramarine Light		AP
		Co	Vermilion Hue	CL	AP
			Viridian Hue		AP
			Yellow Ochre		AP
			Titanium White		AP