



## 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) : **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**

Date Prepared : **2015-5-29**

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 <sub>2</sub> OH) <sub>2</sub> ·CHOH         |
| Preservative (Benzisothiazol)                        | C <sub>7</sub> H <sub>5</sub> NOS               |
| Preservative (2-(4-thiazolyl)-benzimidazole)         | C <sub>10</sub> H <sub>7</sub> N <sub>3</sub> 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 (H<sub>2</sub>O = 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 (LD<sub>50</sub>) : 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

| Name                 | Hazardous ingredient   | Class  |                            |             |
|----------------------|--|--|----------------------------|-------------|
| Cd                   | Cadmium  |  | Imidazolone Brown          | AP          |
| Co                   | Cobalt   |  | Imidazolone Yellow         | AP          |
| Cu                   | Copper   |  | Indian Red                 | AP          |
| Se-Cd                | Selenium-Cadmium   |  | Indian Yellow              | AP          |
|                      |  |  | Ivory Black                | AP          |
| AP                   | Approved Product : Contain no materials in sufficient quantities to be toxic or injurious to humans. |  | Jaune Brillant             | SeCd AP     |
|                      |  |  | Leaf Green                 | AP          |
|                      |  |  | Lemon Yellow               | AP          |
| CL                   |  | Cautionary Label : Any known health risks and with information on the safe and proper use of these materials |                            | Marine Blue |
|                      |  |  | 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          |
| Bamboo Green         |  | AP   | Pyrrol Red                 | AP          |
| Brilliant Orange     |  | AP   | Quinacridone Magenta       | AP          |
| Burnt Sienna         |  | AP   | Raw Sienna                 | AP          |
| Burnt Umber          |  | AP   | Raw Umber                  | AP          |
| Cadmium Green Pale   | Cd   | AP   | Royal Blue                 | AP          |
| Cadmium Red Deep     | Se-Cd  | AP   | Sap Green                  | AP          |
| Cadmium Red Light    | Se-Cd  | AP   | Sepia                      | AP          |
| Cadmium Yellow Deep  | Cd   | AP   | Shadow Green               | AP          |
| Cadmium Yellow Lemon | Cd   | AP   | Ultramarine Deep           | AP          |
| Carmine              |  | AP   | Ultramarine Light          | AP          |
| Cerulean Blue        | Co   | AP   | Vermilion Hue              | AP          |
| Chinese White        |  | AP   | Viridian Hue               | AP          |
| Cobalt Blue Pale     | Co   | AP   | Yellow Ochre               | AP          |
| Cobalt Turquoise     | Co   | AP   | Titanium White             | AP          |
| Cobalt Violet Light  | Co   | CL   |                            |             |
| Dioxazine Violet     |  | AP   |                            |             |
| Emerald Green        |  | AP   |                            |             |