



## 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' GOUACHE**      (HGC)

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**

Department for Emergency :      **Technical division**

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))

Colorant	(Pigment)*	
Binder	(Gum Arabic)**	CAS No. 9000-01-5
Dispersant	(Ox Gall)***	CAS No. 8008-63-7
Moisturizer	(Polyethylene Glycol)	CAS No. 7732-18-5
Preservative	(Benzisothiazoline)	CAS No. 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 :      **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.**

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**§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.

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**§6. ACCIDENTAL RELEASE MEASURES**

Accidental Release Measures : Wipe off.  
Environmental Precautions : Prevent spills from entering storm sewers or drains and contact with soil.

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**§7. HANDLING AND STORAGE**

Precautions for Storing : None, especially

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**§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.

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**§9. PHYSICAL / CHEMICAL CHARACTERISTICS**

Appearance and Odor : Colored Paste with unique odor  
Specific Gravity (H<sub>2</sub>O = 1) : 1.1 ~ 2.0 (Av. 1.45)  
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.

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**§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

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**§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 acts of them are not acute.  
Toxicity of Gouache themselves is not confirmed.

On pigments, to be noted.:

Colors named with Cadmium, Jaune Brillant #1 & #2, Naples Yellow, :  
Contains Cadmium ingredient, influences to fetus,  
induce kidney or lungs damage.

Cobalt Blue, Cerulean Blue, Cobalt Violet : Contains soluble Cobalt, induce anemia and heart or lungs damage.

Jet Black : Soluble Copper, induce anemia

Violet, Blue Violet, Magenta, Opera :  
Contains formaldehyde, irritant, allergen, carcinogen

(See Appendix, Table COLOR INFORMATION)

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 gouache 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

Disposal Considerations : Dispose in accordance with national and/or local regulations.  
Avoid entry into the sewage system (danger of clogging).

## §14. TRANSPORT INFORMATION

Precautions for Transport : None, especially

UN Class : N/A

UN Number : N/A

## §15. REGULATORY INFORMATION

Danger Class : N/A (Not flammable liquid)

Fire Service Law : N/A

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. (See Appendix)

## §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 of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties. All information may change according to circumstances.

## Appendix

Table COLOR INFORMATION

Name	Hazardous ingredient	Classification	Name	Hazardous ingredient	Classification
Alizarin Crimson	-	AP	Opera	-	AP
Aqua Blue	-	AP	Peacock Blue	-	AP
Ash Blue	-	AP	Pearl Copper	-	AP
Ash Green	-	AP	Pearl Gold	-	AP
Blue Violet	-	AP	Pearl White	-	AP
Brilliant Gold	-	AP	Perm Green Deep	-	AP
Brilliant Orange	-	AP	Perm Green Light	-	AP
Brilliant Pink	-	AP	Perm White	-	AP
Brilliant Silver	-	AP	Perm Yellow	-	AP
Burnt Sienna	-	AP	Perm Yellow Deep	-	AP
Burnt Umber	-	AP	Perm Yellow Orange	-	AP
Cad Green	Cd	AP	Pink	-	AP
Cad Green Deep	Cd	AP	Primary Black	-	AP
Cad Green Pale	Cd	AP	Primary Cyan	-	AP
Cad Red	Se-Cd	AP	Primary Magenta	-	AP
Cad Red Deep	Se-Cd	AP	Primary White	-	AP
Cad Red Purple	Se-Cd	AP	Primary Yellow	-	AP
Cad Yellow	Cd	AP	Prussian Blue	-	AP
Cad Yellow Lemon	Cd	AP	Pure Blue	-	AP
Cad Yellow Orange	Se-Cd	AP	Pure Red	-	AP
Carmin	-	AP	Raw Sienna	-	AP
Cerulean Blue	Co	AP	Raw Umber	-	AP
Chinese Orange	-	AP	Rich Gold	-	AP
Cobalt Blue	Co	AP	Rose	-	AP
Cobalt Green Pale	Co	AP	Rose Violet	-	AP
Cobalt Turquoise	Co	AP	Sepia	-	AP
Cobalt Violet	Co	CL	Silver	-	AP
Cyprus Green	-	AP	Smalt Blue	-	AP
Dark Green	-	AP	Terre Verte	-	AP
Emerald Green	-	AP	Turquoise Blue	Co	AP
Flame Red	-	AP	Turquoise Green	-	AP
Geranium	-	AP	Ultra Deep	-	AP
Grey #1	-	AP	Ultra Light	-	AP
Grey #2	-	AP	Violet	-	AP
Grey #3	-	AP	Viridian	-	AP
Ice Blue	-	AP	Yellow Ochre	-	AP
Iris	-	AP	Zinc White	-	AP
Ivory Black	-	AP			
Jaune Brillant #1	Se-Cd	AP	Cd :	Cadmium	
Jaune Brillant #2	Se-Cd	AP	Co :	Cobalt	
Jet Black	Cu	CL	Cu :	Copper	
Katsura Blue	-	AP	Se-Cd :	Selenium-Cadmium	
Leaf Green	-	AP			
Lemon Yellow	-	AP			
Lilac	-	AP			
Magenta	-	AP			
Marigold	-	AP			
Moss Green	-	AP			
Naples Yellow	Cd	AP			
Naples Yellow Italian	Cd	AP			
Navy Blue	-	AP			
Olive Green	-	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