



SAFETY DATA SHEET

2021-4-25

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)**
ARTISTS' GOUACHE · IRODORI (Traditional Colors of Japan, HGCI)

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**
 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)*	
Body	(Body pigments)**	
Binder	(Gum arabic)***	CAS No. 9000-01-5
Binder	(Dextrin)****	CAS No. 9004-53-9
Dispersant	(Ox gall)**	CAS No. 8008-63-7
Moisturizer	(Polyethylene glycol)*****	CAS No. 25322-68-3
Moisturizer	(Glycerin)*****	CAS No. 56-81-5
Preservative	(Benzisothiazoline)	CAS No. 2634-33-5
Preservative	(Thiabendazole)	CAS No. 148-79-8

*, ** and *** are main Ingredients.

** are calcium carbonate, talc, barium sulfate or silica, and applied to some colors.

*** is applied with gum arabic to some colors of Irodori.

***** are applied depending on each colors.

§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.

§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) : 1.1 ~ 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.

§10. HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable
 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 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

Naples Yellow Cobalt Green Pale, Grey #1~3 : As for talc, the problem of asbestos is mentioned, but it is not applicable to our products.

(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.

§14. TRANSPORT INFORMATION

Precautions for Transport : None, especially
UN Proper Shipping Name : N/A
UN Number : N/A
Hazard Class : N/A
Packing Group : 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)

ACMI : The Art & Creative Materials Institute, Inc.
ASTM : ASTM International (Former "American Society for Testing and Materials")

§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

【HGC, Artists' Gouache】

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

【HGCJ, Artists' Gouache · IRODORI】

Name	Hazardous ingredient	Classification	Name	Hazardous ingredient	Classification
Ai / Indigo	-	AP	Kujakuao / Hummingbird Blue	-	AP
Akakin / Antique Rich Gold	-	AP	Mirucha / Russet Green	-	AP
Aokin / Antique Gold	-	AP	Moegi / Leek Green	-	AP
Aotake / Bamboo Green	-	AP	Nanohana / Canola Yellow	-	AP
Asagi / Oriental Blue	-	AP	Oudo / Light Ochre	-	AP
Azuki / Russet Brown	-	AP	Ouni / Orange	-	AP
Bengara / Iron Oxide Red	-	AP	Remon / Lemon	-	AP
Beni / Safflower Red	-	AP	Rikyuunezu / Rikyu Grey	-	AP
Botan / Peony	-	AP	Rokushou / Patina	-	AP
Byakuroku / Pale Patina	-	AP	Seiboku / Blue Black	-	AP
Edomurasaki / Edo Violet	-	AP	Senzaimidori / Pine Tree Green	-	AP
Enji / Crimson	-	AP	Shinbashi / Geisha Blue	-	AP
Ginn / Antique Silver	-	AP	Shu / Vermilion	-	AP
Ginnezu / Silver Grey	-	AP	Sumi / Black	-	AP
Gofun / White	-	AP	Susutake / Smoked Bamboo	-	AP
Gunjou / Ultramarine	-	AP	Taisha / Taisha Brown	-	AP
Hiiro / Scarlet	-	AP	Tokiwamidori / Evergreen	-	AP
Hiwada / Bark Brown	-	AP	Tsuyukusa / Dayflower Blue	-	AP
Kihada / Amur Cork Yellow	-	AP	Uguisu / Elm Green	-	AP
Kikyuu / Bellflower	-	AP	Ususango / Pale Coral	-	AP
Kogecha / Dark Brown	-	AP	Wakaba / Spring Green	-	AP
Kohaku / Amber	-	AP	Wakanae / Seedling	-	AP
Kouji / Orange Yellow	-	AP	Wasurenagusa / Myosotis Blue	-	AP
Kuchinashi / Gardenia Yellow	-	AP	Yamabuki / Kerria Japonica Yellow	-	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