



SAFETY DATA SHEET

2024-8-30

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)
Form Approved OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) :

Artists' Watercolor GRANULATING COLORS (HWG)

Manufacturer : HOLBEIN Works, Ltd.
Address : 1-3-14, Hishiya-nishi, Higashi-osaka-shi
OSAKA 577-0807, JAPAN
Telephone Number for information : 81-6-6191-7722
Emergency Telephone Number : 81-72-985-1222 (HOLBEIN Labo, Ltd.)
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.

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), C.I. No)	CAS. No.
Colorant *	Pigment, see appendix	
Binder	Gum Arabic **	9000-01-5
Moisturizer	Glycerin, (CH ₂ OH) ₂ •CHOH	56-81-5
Preservative/Fungicide	Thiabendazole, C ₁₀ H ₇ N ₃ S	148-79-8
Preservative/Antiseptic	Benzisothiazol, C ₇ H ₅ NOS	2634-33-5
Water		7732-18-5

*, ** : Main ingredients.

** : Gum arabic is food additive.

§ 4 - FIRST AID MEASURES

Eyes : In case of eye contact, NEVER rub. Then rinse with plenty of water and if necessary consult an eye specialist.
Ingestion : In case of swallowing, drink plenty of water. Induce vomiting. Seek medical attention according to amount of product ingested. If CL is shown on label, confirm name of pigment with appendix of this sheet and seek medical attention.
Skin Contact : Wash with mild soap and water.

Inhalation : This product does not been inhaled. Upon inhalation of aerosol/vapor, blow your nose and sinus rinse is acceptable.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : N/A
Flash Point : N/A
Autoignition Point : N/A
Combustion Products : Formation of carbon dioxide and oxides of metal according to pigment.
Extinguishing Method : Regular
Extinguishing Media : Water mist, Foam, Dry powder, CO₂
No special media required
Ineligible Extinguishing Media : Straight stream (or Solid stream) water
Precaution for Firefighters : Do not inhale combustion gases.

§ 6 - ACCIDENTAL RELEASE MEASURES

Method : Wipe off.

§ 7 - HANDLING AND STORAGE

Precautions for Storing : Especially none.

§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection : Avoid invasion to the eyes or body. Avoid prolonged or repeated contact with skin. Wash mouth or hands well after use.

§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : Colored paste
Odor : Own smell
Specific Gravity : 1.10~1.95 (Av. 1.45)
Melting Point : —
Boiling Point : quasi Water
Solubility in Water : Can be diluted

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable
Stability : Stable under normal state
Reactivity : None
Byproducts : Carbon dioxide, oxide of metal according to pigment and water in case of fire. No thermal decomposition when stored and handled correctly

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing, Ingestion
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.

The injury of colors is shown in Appendix, Table Color Information :

Jade Vine Blue, Twilight Purple : Consists cobalt ingredient. Soluble cobalt may induce anemia and heart or lungs damage.

Inhalation : This product does not been inhaled. The toxic act of HWG is not confirmed.
Skin irritation : Irritant by repeated or prolonged contact, and may cause inflammation.
Eye irritation : Irritant to some person, but do not damage the organization

Effects of Chronic Exposure, Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity,
Reproductive Toxicity : No specific data is available for HWG

§ 12 - ECOLOGICAL INFORMATION

No suitable information

Fish Toxicity : Not been certified.

§ 13 - DISPOSAL CONSIDERATIONS

To be processed at an appropriate government waste disposal facility according the treatment for aqueous paints.

§ 14 - TRANSPORT INFORMATION

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

§ 15 - REGULATORY INFORMATION

Danger Class : N/A (Not flammable)
Fire Service Law : N/A
Industrial Safety and Health Law : N/A
Pollutant Release and Transfer Register : N/A

Conforms to ACMI under ASTM D 4236 (see Appendix, Table COLOR INFORMATION)

ACMI : The Art & Creative Materials Institute, Inc.

ASTM : ASTM International (Former “American Society for Testing and Materials”)

§ 16 - OTHER INFORMATION

Notice : The information of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties.

Appendix

Table COLOR INFORMATION

Name	Pigment	Notice	Classification
Bourke's Parrot Pink	PY159, BV10, PR122	—	AP
Cherry blossom Pink	PR233, PO73, PW6	—	AP
Clematis Violet	PY159, PB29, PV23	—	AP
Daybreak Orange	PG50, PO73, PR254	—	AP
Earthshine Violet	PB29, PR177, PR122	—	AP
Echinops Green Grey	PB29, PG17	—	AP
Eurasian Jay Rose Grey	PB29, PG18, PO73	—	AP
Flamingo Orange	PR233, PO73	—	AP
Full Moon Yellow	PY159, PY42, PBk6	—	AP
Hazy Moon Yellow	PY159, PBk6, PB15	—	AP
Jade Vine Blue	PV47, PG7, PB15, PW6	Co	CL
Japanese Bush Warbler Green	PG17, PY42, PY43	—	AP
Lunar Eclipse Red	BV7, BV15, PY110, PR122	—	AP
Mimosa Yellow	PY159, PB29, PG17	—	AP
Moonlit Night Blue	PB29, PBk6	—	AP
Nightfall Indigo	PG50, BV7, BV15, PB60	—	AP
Ocean Blue	PY159, PB15	—	AP
Pampas Grass Yellow	PR233, PY43, PY83	—	AP
Peafowl Green	PY159, PR232, PG7, PB15	—	AP
Rainy-Night Moon Black	PB29, PR101	—	AP
Shoebill Blue Grey	PB71, PB29, PBk11	—	AP
Trumpet Vine Red	PY159, PR177	—	AP
Twilight Purple	PV47, PR233, PO13	Co	CL
Wonder Forest Green	PY43, PG50	—	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

Pigment

PR101	Iron Oxide Red	PG50	Cobalt Green / Cobalt-Nickel-Zinc Titanate
PR122	Quinacridone Magenta	PB15	Phthalocyanine Blue /
PR177	Anthraquinone pigment		Copper Phthalocyanine
PR232	Iron-Silicon-Zirconium Oxide	PB29	Ultramarine /
PR233	Potter's Pink / Tin Chromium Silicate		Complex of Silica, Alumina, Soda & Sulphur
PR254	Diketopyrrolo Pyrrole pigment	PB60	Indanthrone Blue / Anthraquinone pigment
PO13	Pyrazolone pigment	PB71	Vanadium Zircon Blue / Zircon Vanadate-Silicate
PO73	Diketopyrrolo Pyrrole pigment		
PY42	Synthetic Ochre (Hydrous Iron Oxide)	PV23	Dioxazine pigment
PY43	Native Ochre (Hydrous Iron Oxide)	PV47	Cobalt Lithium Violet /
PY83	Disazo pigment		Cobalt Lithium Phosphate
PY110	Isoindolinone pigment	PBk6	Lamp Black / Carbon
PY159	Praseodymium Yellow	PBk11	Iron Black / Ferroso-Ferric Oxide
	/ Zirconium, Praseodymium Silicate	PW6	Titanium White / Titanium Dioxide
PG7	Phthalocyanine Green	BV7	Fluorescent piment
	/ Polychloro Copper Phthalocyanine	BV10	Fluorescent piment
PG17	Anhydrous Chromium Sesquioxide	BV15	Fluorescent piment
PG18	Viridian / Chromium Hydrate		