



# 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 ACRYLA
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	2015-4-10
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 :	Especially none
Ecological consideration :	Especially none

## §3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture

Components	(Specific Chemical Identity, Common Name (s))	
Colorant *	(Pigment)	
Binder **	(Acrylic-Metacrylic Copolymer Emulsion)	CAS No. 25852-37-3
Dispersant	(Sodium Polycarboxylate)	CAS No. 25549-84-2
Moisturizer	(Propylene Glycol)	CAS No. 57-55-6
Thickener	(Polyacrylate)	CAS No. 9003-01-4
pH Agent	(Dimethylaminoethanol)	CAS No. 108-01-0
Preservative	(Benzimidazole)	CAS No. 148-79-8
Preservative	(Benzisothiazoline)	CAS No. 2634-33-5

\* and \* \* are Main Ingredients.

\* : Individuals of pigments are shown on Table 1 of appendix.

## §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 : Upon 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 : Not combustible unless dried up  
 Flash Point, Ignition Point : Not below 100°C  
 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 : Keep from freezing.

---

**§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 faint acrylic odor

Specific Gravity (H<sub>2</sub>O = 1) : 1.1~1.5 (Av. 1.37)

Boiling Point : Approx. 100°C

Vapor Density (Air = 1) : —

Vapor Pressure (Butyl Acetate = 1) : simile. Water

pH : 7.5~8.5

Solubility in Water : Can be diluted. Not so, after dried.

---

**§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

---

**§11 - TOXICOLOGICAL INFORMATION**

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

Oral Toxicity : The products may flocculate by gastric acid. Toxicity of acrylic colors themselves is not confirmed.

On pigments, to be noted.:

Colors named with Cadmium : Contains Cadmium ingredient, influences to fetus, induce kidney or lungs damage.

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

Cerulean Blue : ditto

Eye irritation : Irritant, but 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 acrylic colors is not confirmed.

Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity :

No data available on products.

---

**§12 - ECOLOGICAL INFORMATION**

Fish Toxicity : Emulsion may obstruct the breathing of fishes, in case of pouring the excess colors to river or pond.

---

**§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, 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.

## §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 1 Pigments of ACRYLA

Name	C.I.Name	Pigment (Chemically indicated)
Acanthus Green	PG17	Anhydrous Chromium Sesquioxide
Alps Red	PV19	Quinacridone Pigment
Aqua Blue	PB15, PW6	Copper Phthalocyanine, Titanium dioxide
Bamboo Green	PG7, PY81	Polychloro Copper Phthalocyanine, Disazo Pigment
Bordeaux Red	PR88	Thioindigo Pigment
Brilliant Pink	PR9, PW6	Monoazo Lake, Titanium dioxide
Burnt Sienna	PBr7	Native Earth (Iron Oxide)
Burnt Umber	PBr7	Native Earth (Iron Oxide)
Cadmium Green Deep	PY35	Cadmium sulfide, Barium Sulfate
	PG7	Polychloro Copper Phthalocyanine
Cadmium Green Light	PY35	Cadmium sulfide, Barium Sulfate
	PG7	Polychloro Copper Phthalocyanine
Cadmium Green Middle	PY35	Cadmium sulfide, Barium Sulfate
	PG7	Polychloro Copper Phthalocyanine
Cadmium Red Light	PR108	Cadmium Sulfo-Selenide
Cadmium Red Middle	PR108	Cadmium Sulfo-Selenide
Cadmium Red Purple	PR108	Cadmium Sulfo-Selenide
Cadmium Yellow Light	PY35	Cadmium sulfide, Barium Sulfate
Cadmium Yellow Middle	PY35	Cadmium sulfide, Barium Sulfate
Cadmium Yellow Orange	PR108	Cadmium Sulfo-Selenide
Cerulean Blue	PB35	Cobalt Stannate
Chapel Rose	PR146	Monoazo Pigment
Cobalt Blue	PB28	Cobalt Aluminate
Cobalt Green	PG19	Zinc-Cobalt Oxide
Compose Blue #1	PG7, PB15	Polychloro Copper Phthalocyanine, Copper Phthalocyanine
	PW6	Titanium dioxide
Compose Blue #2	PB15, PW6	Copper Phthalocyanine, Titanium dioxide
Compose Bordeaux	PR88, PR122, PW6	Thioindigo Pigment, Quinacridone Pigment, Titanium dioxide
Compose Green	PG7, PW6	Polychloro Copper Phthalocyanine, Titanium dioxide
Compose Rose	PR146, PW6	Monoazo Pigment, Titanium dioxide
Compose Violet	PV23, PW6	Dioxazine Pigment, Titanium dioxide
Cyprus Green	PG26	Cobalt-Chromium Aluminate
Dark Brown	PR9, PBk7	Monoazo Lake, Carbon
Flame Red	PR9	Monoazo Lake
Greenish Yellow	PY117	Pigment Dye Copper Complex
Grey of Grey	PBk7, PY42, PW6	Carbon, Hydrous Iron Oxide, Titanium dioxide
Grey V-5	PBk7, PW6	Carbon, Titanium dioxide
Hooker's Green	PG8	Nitroso Pigment
Jaune Brillant	PR170, PY83, PW6	Monoazo Lake, Disazo Pigment, Titanium dioxide
Katsura Blue	PB15	Copper Phthalocyanine
Lamp Black	PBk7	Carbon
Lemon	PY81	Disazo Pigment
Light Brown	PBr23	Condensed Azo Pigment
Light Yellow	PY3	Monoazo Pigment
Luminous Green	PG7, SY44	Polychloro Copper Phthalocyanine, Fluorescent Pigment

Luminous Green	PG7, SY44	Polychloro Copper Phthalocyanine, Fluorescent Pigment
Luminous Lemon	SY44	Fluorescent Pigment
Luminous Opera	BR1, BV11	Fluorescent Pigment
Luminous Orange	BR1, BV11, SY44	Fluorescent Pigment
Luminous Red	BR1, BV11, SY44	Fluorescent Pigment
Luminous Rose	BR1, BV7, BV11	Fluorescent Pigment
Luminous Violet	BV15	Fluorescent Pigment
Luminous Yellow	BR1, SY44	Fluorescent Pigment
Manganese Blue Nova	PB15	Copper Phthalocyanine
Marigold	PY83	Disazo Pigment
Mars Black	PBk11	Ferroso-Ferric Oxide
Mars Violet	PR101	Iron Oxide
Middle Green	PY3, PG7	Monoazo Pigment, Polychloro Copper Phthalocyanine
Naples Yellow	PY53, PW6	Nickel-AntimonYellow Titanate, Titanium dioxide
Orange Red	PO13	Pyrazolone Pigment
Oriental Blue	PB15	Copper Phthalocyanine
Oriental Green	PG7	Polychloro Copper Phthalocyanine
Peacock Blue	PB15, PY81	Copper Phthalocyanine, Disazo Pigment
Pearl Blue	PW20	Titanated Mica
Pearl Copper	PW20	Titanated Mica
Pearl Gold	PW20	Titanated Mica
Pearl Green	PW20	Titanated Mica
Pearl Pink	PW20	Titanated Mica
Pearl Red	PW20	Titanated Mica
Pearl Silver	PW20	Titanated Mica
Pearl Sparkle	PW20	Titanated Mica
Pearl White	PW20	Titanated Mica
Pearl Yellow	PW20	Titanated Mica
Raw Sienna	PY43	Native Ochre
Raw Umber	PBr7	Native Earth (Iron Oxide)
Red Ochre	PR101	Iron Oxide
Rose Violet	PR122	Quinacridone Pigment
Tita. White	PW6	Titanium dioxide
Ultramarine Blue	PB29	Complex of Silica, Alumina, Soda & Sulphur
Violet	PV23	Dioxazine Pigment
Yellow	PY1	Monoazo Pigment
Yellow Ochre	PY42	Hydrous Iron Oxide
Zinc White	PW5	Zinc Sulfide, Barium Sulfate