



# SAFETY DATA SHEET

2020-8-8

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) : **HOLBEIN ACRYLIC COLORS HEAVY BODY**

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**  
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. The information of individuals are shown on Table 1 of appendix.

Classification : **Non-regulated**  
Danger : **Nonflammable**  
Eye Effects : **Category 2B / Causes eye irritation. Physically stimulates in the eyes, and may cause keratitis.**  
Ecological consideration : **→ § 12**  
GHS label elements : **Void**

## § 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : **Mixture (\* and \*\* are main ingredients)**

Components (Specific Chemical Identity, Common Name (s))	CAS
Colorant *	(Pigment)
Binder **	(Acrylic-Metacrylic Copolymer Emulsion)
Dispersant	(Sodium Polycarboxylate)
Moisturizer	(Propylene Glycol)
Thickener	(Polyacrylate)
pH Agent	(Dimethylaminoethanol)
Preservative/Fungicide	(Thiabendazole)
Preservative/Antiseptic	(Benzisothiazoline)

## § 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.**

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## § 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability :	Not combustible
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.

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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 :	Keep from freezing.
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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 faint acrylic odor
Specific Gravity (H <sub>2</sub> O = 1) :	1.1~1.5
Boiling Point :	Approx. 100°C
Vapor Density (Air = 1) :	—
Vapor Pressure (Butyl Acetate = 1) :	Same as water
pH :	7.5~8.5
Solubility in Water :	Can be diluted. Not so, after dried.

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## § 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.

Incompatibility (Materials to Avoid) : None

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## § 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry :	Dermal, eye contact, inhalation, swallowing
Oral Toxicity :	The products may flocculate by gastric acid. Toxicity of this media itself is not confirmed.

On pigments, to be noted.as :

Colors named with Cadmium :	Contains Cadmium ingredient, influences to fetus, induce kidney or lungs damage.
Cobalt Blue, Cerulean Blue :	Contains soluble Cobalt, induce anemia and heart or lungs damage.

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 : It is pointed that acrylic polymer emulsion may obstruct the breathing of fishes, in case of pouring the excess colors to river or pond.

Persistence and Degradability : Not confirmed as a product. Involves colorant-contamination.

## § 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 Proper Shipping Name : Not applicable  
UN Number : Not applicable  
UN Hazard Class : Not applicable  
Packing Group : Not applicable

## § 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 under ASTM D 4236.

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 are under our knowledge of today, and not secure the perfection. All information may change according to circumstances.

## Appendix

Table 1 Information of Acrylic Colors

Ref No	Name	Hazardous ingredient	Classification	Ref No	Name	Hazardous ingredient	Classification
AU 100	Amethyst	-	AP	AU 022	Cadmium Red	Cd	AP
AU 006	Anthraquinone Red	-	AP	AU 023	Cadmium Red Light	Cd	AP
AU 084	Aqua Blue	-	AP	AU 021	Cadmium Red Purple	Cd	AP
AU 118	Azo Brown	-	AP	AU 046	Cadmium Yellow	Cd	AP
AU 058	Bamboo Green	-	AP	AU 045	Cadmium Yellow Deep	Cd	AP
AU 048	Bismuth Yellow	-	AP	AU 047	Cadmium Yellow Light	Cd	CL
AU 027	Brilliant Pink	-	AP	AU 078	Cerulean Blue	Co	AP
AU 111	Burnt Sienna	-	AP	AU 079	Cobalt Blue	Co	AP
AU 112	Burnt Umber	-	AP	AU 076	Cobalt Blue Hue	-	AP
AU 061	Cadmium Green	Cd	CL	AU 066	Cobalt Green	Co	AP
AU 062	Cadmium Green Deep	Cd	AP	AU 099	Cobalt Violet	Co	AP
AU 060	Cadmium Green Light	Cd	CL	AU 086	Compose Blue No.1	-	AP
AU 024	Cadmium Orange	Cd	AP	AU 087	Compose Blue No.2	-	AP

Ref No	Name	Hazardous ingredient	Classification	Ref No	Name	Hazardous ingredient	Classification
AU 068	Compose Green	-	AP	AU 170	Pearl Blue	-	AP
AU 104	Compose Rose	-	AP	AU 164	Pearl Copper	-	AP
AU 103	Compose Violet	-	AP	AU 162	Pearl Gold	-	AP
AU 067	Cyprus Green	Co	AP	AU 169	Pearl Green	-	AP
AU 091	Dioxazine Violet	-	AP	AU 166	Pearl Pink	-	AP
AU 042	Greenish Yellow	-	AP	AU 167	Pearl Red	-	AP
AU 136	Grey V-3	-	AP	AU 163	Pearl Silver	-	AP
AU 137	Grey V-5	-	AP	AU 165	Pearl Sparkle	-	AP
AU 138	Grey V-7	-	AP	AU 161	Pearl White	-	AP
AU 139	Grey V-8	-	AP	AU 168	Pearl Yellow	-	AP
AU 037	Hansa Yellow	-	AP	AU 005	Perylene Maroon	-	AP
AU 039	Hansa Yellow Lemon	-	AP	AU 072	Phthalo Blue	-	AP
AU 038	Hansa Yellow Light	-	AP	AU 073	Phthalo Blue Red Shade	-	AP
AU 054	Hooker's Green	-	AP	AU 051	Phthalo Green	-	AP
AU 119	Imidazolone Brown	-	AP	AU 071	Phthalo Turquoise	-	AP
AU 035	Imidazolone Lemon	-	AP	AU 154	Primary Black	-	AP
AU 019	Imidazolone Orange	-	AP	AU 153	Primary Cyan	-	AP
AU 034	Imidazolone Yellow	-	AP	AU 151	Primary Magenta	-	AP
AU 075	Indanthrene Blue	-	AP	AU 155	Primary White	-	AP
AU 031	Isoindolinone Yellow	-	AP	AU 152	Primary Yellow	-	AP
AU 131	Ivory Black	-	AP	AU 016	Pyrrole Orange	-	AP
AU 029	Jaune Brillant	-	AP	AU 014	Pyrrole Red	-	AP
AU 133	Lamp Black	-	AP	AU 015	Pyrrole Red Light	-	AP
AU 056	Light Green	-	AP	AU 013	Pyrrole Rubine	-	AP
AU 188	Luminous Green	-	AP	AU 001	Quinacridone Crimson	-	AP
AU 187	Luminous Lemon	-	AP	AU 120	Quinacridone Gold	-	AP
AU 183	Luminous Opera	-	AP	AU 096	Quinacridone Magenta	-	AP
AU 185	Luminous Orange	-	AP	AU 002	Quinacridone Red	-	AP
AU 184	Luminous Red	-	AP	AU 095	Quinacridone Violet	-	AP
AU 182	Luminous Rose	-	AP	AU 114	Raw Sienna	-	AP
AU 181	Luminous Violet	-	AP	AU 115	Raw Umber	-	AP
AU 186	Luminous Yellow	-	AP	AU 117	Red Ochre	-	AP
AU 077	Manganese Blue Nova	-	AP	AU 055	Sap Green	-	AP
AU 032	Marigold	-	AP	AU 121	Sepia	-	AP
AU 132	Mars Black	-	AP	AU 053	Shadow Green	-	AP
AU 107	Mars Violet	-	AP	AU 028	Shell Pink	-	AP
AU 092	Mauve	-	AP	AU 141	Titanium White	-	AP
AU 057	Middle Green	-	AP	AU 081	Ultramarine Blue	-	AP
AU 009	Naphthol Red	-	AP	AU 082	Ultramarine Deep	-	AP
AU 008	Naphthol Red Deep	-	AP	AU 052	Viridian Hue	-	AP
AU 010	Naphthol Red Light	-	AP	AU 043	Yellow Ochre	-	AP
AU 049	Naples Yellow	-	AP	AU 142	Zinc White	-	AP
AU 041	Nickel Azo Yellow	-	AP				
AU 065	Oxide of Chromium	-	AP				
AU 135	Payne's Grey	-	AP				

Cd Cadmium

Co Cobalt

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