



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 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

Date Prepared : 2015-6-1

Preparer : ALAKI, Yutaka

§ 2 - HAZARD IDENTIFICATION

This product is water-based and not classified as dangerous for supply or conveyance.
 The ingredients are waterreduceable and falls well within the acceptable safety limits.
 The informations of individuals are shown on Table 1 of appendix.

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 (* and ** are main ingredients)

Components (Specific Chemical Identity, Common Name (s))

Colorant *	(Pigment)		
Binder **	(Acrylic-Metacrylic Copolymer Emulsion)	CAS	25852-37-3
Dispersant	(Sodium Polycarboxylate)	CAS	25549-84-2
Moisturizer	(Propylene Glycol)	CAS	57-55-6
Thickener	(Polyacrylate)	CAS	9003-01-4
pH Agent	(Dimethylaminoethanol	CAS	108-01-0
Preservative	(Benzimidazole)	CAS	148-79-8
Preservative	(Benzisothiazoline)	CAS	2634-33-5

§ 4 - FIRST AID MEASURES

Eyes : In case of eye contact, rinse with plenty of water and if necessary
 consult an eye specialst.

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 (H₂O = 1) : 1.1~1.5
- 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, 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

§ 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 : 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 : It is pointed that acrylic polymer 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 : 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.

§ 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

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

Ref No	Name	Hazardous ingredient	Classification	Ref No	Name	Hazardous ingredient	Classification
AU 100	Amethyst	-	AP	AU 077	Manganese Blue Nova	-	AP
AU 006	Anthraquinone Red	-	AP	AU 032	Marigold	-	AP
AU 084	Aqua Blue	-	AP	AU 132	Mars Black	-	AP
AU 118	Azo Brown	-	AP	AU 107	Mars Violet	-	AP
AU 058	Bamboo Green	-	AP	AU 092	Mauve	-	AP
AU 048	Bismuth Yellow	-	AP	AU 057	Middle Green	-	AP
AU 027	Brilliant Pink	-	AP	AU 009	Naphthol Red	-	AP
AU 111	Burnt Sienna	-	AP	AU 008	Naphthol Red Deep	-	AP
AU 112	Burnt Umber	-	AP	AU 010	Naphthol Red Light	-	AP
AU 061	Cadmium Green	Cd	CL	AU 049	Naples Yellow	-	AP
AU 062	Cadmium Green Deep	Cd	AP	AU 041	Nickel Azo Yellow	-	AP
AU 060	Cadmium Green Light	Cd	CL	AU 065	Oxide of Chromium	-	AP
AU 024	Cadmium Orange	Cd	AP	AU 135	Payne's Grey	-	AP
AU 022	Cadmium Red	Cd	AP	AU 170	Pearl Blue	-	AP
AU 023	Cadmium Red Light	Cd	AP	AU 164	Pearl Copper	-	AP
AU 021	Cadmium Red Purple	Cd	AP	AU 162	Pearl Gold	-	AP
AU 046	Cadmium Yellow	Cd	AP	AU 169	Pearl Green	-	AP
AU 045	Cadmium Yellow Deep	Cd	AP	AU 166	Pearl Pink	-	AP
AU 047	Cadmium Yellow Light	Cd	CL	AU 167	Pearl Red	-	AP
AU 078	Cerulean Blue	Co	AP	AU 163	Pearl Silver	-	AP
AU 079	Cobalt Blue	Co	AP	AU 165	Pearl Sparkle	-	AP
AU 076	Cobalt Blue Hue	-	AP	AU 161	Pearl White	-	AP
AU 066	Cobalt Green	Co	AP	AU 168	Pearl Yellow	-	AP
AU 099	Cobalt Violet	Co	AP	AU 005	Perylene Maroon	-	AP
AU 086	Compose Blue No.1	-	AP	AU 072	Phthalo Blue	-	AP
AU 087	Compose Blue No.2	-	AP	AU 073	Phthalo Blue Red Shade	-	AP
AU 068	Compose Green	-	AP	AU 051	Phthalo Green	-	AP
AU 104	Compose Rose	-	AP	AU 071	Phthalo Turquoise	-	AP
AU 103	Compose Violet	-	AP	AU 154	Primary Black	-	AP
AU 067	Cyprus Green	Co	AP	AU 153	Primary Cyan	-	AP
AU 091	Dioxazine Violet	-	AP	AU 151	Primary Magenta	-	AP
AU 042	Greenish Yellow	-	AP	AU 155	Primary White	-	AP
AU 136	Grey V-3	-	AP	AU 152	Primary Yellow	-	AP
AU 137	Grey V-5	-	AP	AU 016	Pyrrole Orange	-	AP
AU 138	Grey V-7	-	AP	AU 014	Pyrrole Red	-	AP
AU 139	Grey V-8	-	AP	AU 015	Pyrrole Red Light	-	AP
AU 037	Hansa Yellow	-	AP	AU 013	Pyrrole Rubin	-	AP
AU 039	Hansa Yellow Lemon	-	AP	AU 001	Quinacridone Crimson	-	AP
AU 038	Hansa Yellow Light	-	AP	AU 120	Quinacridone Gold	-	AP
AU 054	Hooker's Green	-	AP	AU 096	Quinacridone Magenta	-	AP
AU 119	Imidazolone Brown	-	AP	AU 002	Quinacridone Red	-	AP
AU 035	Imidazolone Lemon	-	AP	AU 095	Quinacridone Violet	-	AP
AU 019	Imidazolone Orange	-	AP	AU 114	Raw Sienna	-	AP
AU 034	Imidazolone Yellow	-	AP	AU 115	Raw Umber	-	AP
AU 075	Indanthrene Blue	-	AP	AU 117	Red Ochre	-	AP
AU 031	Isoindolinone Yellow	-	AP	AU 055	Sap Green	-	AP
AU 131	Ivory Black	-	AP	AU 121	Sepia	-	AP
AU 029	Jaune Brilliant	-	AP	AU 053	Shadow Green	-	AP
AU 133	Lamp Black	-	AP	AU 028	Shell Pink	-	AP
AU 056	Light Green	-	AP	AU 141	Titanium White	-	AP
AU 188	Luminous Green	-	AP	AU 081	Ultramarine Blue	-	AP
AU 187	Luminous Lemon	-	AP	AU 082	Ultramarine Deep	-	AP
AU 183	Luminous Opera	-	AP	AU 052	Viridian Hue	-	AP
AU 185	Luminous Orange	-	AP	AU 043	Yellow Ochre	-	AP
AU 184	Luminous Red	-	AP	AU 142	Zinc White	-	AP
AU 182	Luminous Rose	-	AP				
AU 181	Luminous Violet	-	AP				
AU 186	Luminous Yellow	-	AP				