

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

Product Name (as used on label and list)	HOLBEIN ACRYLA	(HAC)
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	

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 on product, and flammable after dry.
Hazard information :	Especially none
Ecological consideration :	Especially none

Substance/Mixture: Mixture

Colorant *	(Pigment)	
Body**	(Calcium Carbonate)	C.I. 77200
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

* to *** are main ingredients.

*:Individuals of pigments are shown on catalogue.

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 : 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.
Unusual Fire and Explosion Hazards : Material will not support combustion unless the water has evaporated.

§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 (Av. 1.37)
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.

§10. HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable on product.
Stability : Stable under normal state
Reactivity : None
Byproducts : Carbon dioxide, oxides of metals, ash 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 ACRYLA 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 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 ACRYLA 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. (See Appendix)

§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 1 Information of ACRYLA

Name	Hazardous ingredient	Classification	Name	Hazardous ingredient	Classification
Acanthus Green	-	AP	Luminous Violet	-	AP
Alps Red	-	AP	Luminous Yellow	-	AP
Aqua Blue	-	AP	Manganese Blue Nova	-	AP
Bamboo Green	-	AP	Marigold	-	AP
Bordeaux Red	-	AP	Mars Black	-	AP
Brilliant Pink	-	AP	Mars Violet	-	AP
Burnt Sienna	-	AP	Middle Green	-	AP
Burnt Umber	-	AP	Naples Yellow	-	AP
Cadmium Green Deep	Cd	AP	Orange Red	-	AP
Cadmium Green Light	Cd	CL	Oriental Blue	-	AP
Cadmium Green Middle	Cd	CL	Oriental Green	-	AP
Cadmium Red Light	Se-Cd	AP	Peacock Blue	-	AP
Cadmium Red Middle	Se-Cd	AP	Pearl Blue	-	AP
Cadmium Red Purple	Se-Cd	AP	Pearl Copper	-	AP
Cadmium Yellow Light	Cd	CL	Pearl Gold	-	AP
Cadmium Yellow Middle	Cd	AP	Pearl Green	-	AP
Cadmium Yellow Orange	Se-Cd	AP	Pearl Pink	-	AP
Cerulean Blue	Co	AP	Pearl Red	-	AP
Chapel Rose	-	AP	Pearl Silver	-	AP
Cobalt Blue	Co	AP	Pearl Sparkle	-	AP
Cobalt Green	Co	AP	Pearl White	-	AP
Compose Blue #1	-	AP	Pearl Yellow	-	AP
Compose Blue #2	-	AP	Raw Sienna	-	AP
Compose Bordeaux	-	AP	Raw Umber	-	AP
Compose Green	-	AP	Red Ochre	-	AP
Compose Rose	-	AP	Rose Violet	-	AP
Compose Violet	-	AP	Titanium White	-	AP
Cyprus Green	Co	AP	Ultramarine Blue	-	AP
Dark Brown	-	AP	Violet	-	AP
Flame Red	-	AP	Yellow	-	AP
Greenish Yellow	-	AP	Yellow Ochre	-	AP
Grey of Grey(V-7)	-	AP	Zinc White	-	AP
Grey V-5	-	AP			
Hooker's Green	-	AP			
Jaune Brillant	-	AP	Cd	Cadmium	
Katsura Blue	-	AP	Co	Cobalt	
Lamp Black	-	AP	Se-Cd	Cadmium selenide	
Lemon	-	AP			
Light Brown	-	AP			
Light Yellow	-	AP			
Luminous Green	-	AP			
Luminous Lemon	-	AP			
Luminous Opera	-	AP			
Luminous Orange	-	AP			
Luminous Red	-	AP			
Luminous Rose	-	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