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 FLUID

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.

Classification : Non-regulated
Danger : Nonflammable
Hazard information : Especially none
Ecological consideration : cf. § 12 - ECOLOGICAL INFORMATION
GHS label elements : Void

§ 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.
＊Safety information is shown on Table 1 of appendix.

§ 4 - FIRST AID MEASURES

Eyes : In case of eye contact, never rub. 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
Flash Point, Ignition Point :	Not below 100 ° C
Combustion Products :	Formation of carbon dioxide and oxides of metal according to pigment.
Precaution for Firefighters :	Do not inhale combustion gases.
Extinguishing Method :	Regular
Extinguishing Media :	Water (Foam, Dry powder and Carbon dioxide, if necessary)

§ 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 slurry with faint acrylic odor
Specific Gravity (H_2O = 1) :	1.06～1.28 (av. 1.145)
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
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 :	This product may flocculate by gastric acid. Toxicity of this product itself is not confirmed.
On pigments, to be noted. :	

Cobalt Blue, Cerulean Blue : Contains soluble Cobalt, induce anemia and heart or lungs damage. Actually, doesn't work as dangerous material.

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 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, if excess products pours.

§ 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, and is classified into AP genre of ACMI system.

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 Safety information of Acrylic Colors FLUID

Name	Caution	Classification	Name	Caution	Classification
Aqua Blue	-	AP	Pearl Silver	-	AP
Bamboo Green	-	AP	Pearl White	-	AP
Burnt Sienna	-	AP	Perylene Maroon	-	AP
Burnt Umber	-	AP	Phthalo Blue	-	AP
Cerulean Blue	Co	AP	Phthalo Green	-	AP
Cobalt Blue	Co	AP	Phthalo Turquoise	-	AP
Dioxazine Violet	-	AP	Primary Black	-	AP
Greenish Yellow	-	AP	Primary Cyan	-	AP
Hansa Yellow	-	AP	Primary Magenta	-	AP
Hansa Yellow Lemon	-	AP	Primary White	-	AP
Hooker's Green	-	AP	Primary Yellow	-	AP
Imidazolone Brown	-	AP	Pyrrole Orange	-	AP
Imidazolone Orange	-	AP	Pyrrole Red	-	AP
Imidazolone Yellow	-	AP	Pyrrole Rubin	-	AP
Indanthrene Blue	-	AP	Quinacridone Crimson	-	AP
Isoindolinone Yellow	-	AP	Quinacridone Gold	-	AP
Lamp Black	-	AP	Quinacridone Magenta	-	AP
Luminous Lemon	-	AP	Quinacridone Red	-	AP
Luminous Opera	-	AP	Quinacridone Violet	-	AP
Manganese Blue Nova	-	AP	Raw Sienna	-	AP
Marigold	-	AP	Raw Umber	-	AP
Mauve	-	AP	Sap Green	-	AP
Naphthol Red	-	AP	Sepia	-	AP
Naphthol Red Deep	-	AP	Shadow Green	-	AP
Naphthol Red Light	-	AP	Shell Pink	-	AP
Naples Yellow	-	AP	Titanium White	-	AP
Nickel Azo Yellow	-	AP	Ultramarine Blue	-	AP
Oxide of Chromium	-	AP	Viridian Hue	-	AP
Payne's Grey	-	AP	Yellow Ochre	-	AP
Pearl Gold	-	AP	Zinc White	-	AP

Co : Consists of cobalt. Actually, doesn't work as dangerous material.
AP (Approved Product) : Contain no materials in sufficient quantities to be toxic or injurious to humans.