



SAFETY DATA SHEET

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)
Form Approved OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : **AEROFLASH**
(Holbein Liquid Acrylic Colors, ABC)

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 : **2015-10-14**
Preparer : **ALAKI, Yutaka**

§ 2 - HAZARD IDENTIFICATION

Classification : **Non-regulated**
Hazard Information : **Especially none**
Information of Individuals : **Shown on Table 1 of appendix.**

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture (*, ** and *** are Main Ingredients.)

Components	(Specific Chemical Identity, Common Name(s))	
Colorant	(Pigment)	
Binder**	(Acrylic-Metacrylic Copolymer)	CAS 25852-37-3
Moisturizer	(Propylene Glycol)	CAS 57-55-6
Thickener	(Polyurethane)	N/A
Solvent	(Isopropanol)	CAS 67-63-0
Water***		

§ 4 - FIRST AID MEASURES

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

Skin : Upon skin contact, wash with plenty of water, soap or other non-irritating cleansing agents.

Ingestion : In case of swallowing, drink plenty of water. Induce vomiting. If you feel unwell, seek medical advice.

Inhalation : Upon inhalation of aerosol/vapor/dust, 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 : **N/A**

Combustion Products : **Carbon dioxide and oxide of metal according to pigment.**

§ 6 - ACCIDENTAL RELEASE MEASURES

Especially none

§ 7 - HANDLING AND STORAGE

Precautions for Handling : Especially none. Wash mouth or hands after use.
 Precautions for Storing and Transport : Especially none

§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Avoid invasion to the eyes or body. Avoid prolonged or repeated contact with skin.

§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : Colored Liquid
 Odor : Faint acrylic odor
 Specific Gravity (H₂O = 1) : 1.03~1.20 (Av. 1.08)
 Boiling Point : Approx. 100 °C (212F degrees)
 Vapor Density (Air = 1) : ---
 Vapor Pressure (Butyl Acetate = 1) : Same as water
 Solubility in Water : ∞. Not so, after dried.

§ 10 - HAZARD INFORMATION AND STABILITY

Stability : Inert and stable under normal state
 Incompatibility (Materials to Avoid) : None
 Hazardous Decomposition or Byproducts : No thermal decomposition when stored and handled correctly.

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing
 Eye irritation : Irritant, and may induce keratitis, but essentially not damage the organization.
 Skin irritation : May irritate by repeated or prolonged contact, and may cause inflammation.
 Inhalation Toxicity : Although some of raw materials stimulate eyes and respiratory organs with their vapor or mists under highly concentrated state, the toxic act of this colors is not confirmed.
 Oral Toxicity : The toxicity of this products is not confirmed.
 Individual Information : See the table of Appendix.
 The classifications of AP and CL are under the reference by ACMI.

§ 12 - ECOLOGICAL INFORMATION

Biodegradability : Not readily biodegradable.
 Persistency : Not been confirmed.
 Aquatic environment toxicity : Not expected to be toxic to aquatic environment.
 Fish Toxicity : Not been certified.

§ 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations : Dispose in accordance with national and/or local regulations.

§ 14 - TRANSPORT INFORMATION

ADR/RID : Not classified
 (ADR : Transportation of Dangerous Goods on Roads
 RID : Transportation of Dangerous Goods on Railways)

UN Class, UN Number : N/A

§ 15 - REGULATORY INFORMATION

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236

Danger Class : N/A. (Not flammable liquid)

Law : Fire law : ditto

§ 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. All information may change according to circumstances.

APPENDIX

Table INFORMATION of AEROFLASH

- 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.

Name of Color	Hazardous ingredient	Classification	Name of Color	Hazardous ingredient	Classification
Black	—	AP	Opaque Brilliant Pink	—	AP
Blue Green	—	AP	Opaque Brown	—	AP
Blue Violet	—	AP	Opaque Cerulean Blue	—	AP
Dioxazine Violet	—	AP	Opaque Cobalt Violet	—	AP
Burnt Sienna	—	AP	Opaque Compose Blue	—	AP
Burnt Umber	—	AP	Opaque Deep Yellow	—	AP
Carmine	—	AP	Opaque Emerald Green	—	AP
Cerulean Blue	—	AP	Opaque Jaune Brillant	—	AP
Cobalt Blue	—	AP	Opaque Lilac	—	AP
Deep Yellow	—	AP	Opaque Magenta	—	AP
Grey #4~9	—	AP	Opaque Scarlet	—	AP
Titanium White	—	AP	Opaque Violet	—	AP
Lemon Yellow	—	AP	Opaque Viridian	—	AP
Light Green	—	AP	Orange	—	AP
Luminous Green	—	AP	Red Violet	—	AP
Luminous Lemon	—	AP	Scarlet	—	AP
Luminous Opera	—	AP	Turquoise Blue	—	AP
Luminous Orange	—	AP	Ultramarine	—	AP
Luminous Red	—	AP	Violet	—	AP
Luminous Rose	—	AP	Viridian	—	AP
Magenta	—	AP	White	—	AP
May Green	—	AP	Yellow	—	AP
Moss Green	—	AP			