



SAFETY DATA SHEET

§ 1. IDENTITY INFORMATION

Product's Name : AEROFLASH (Holbein Liquid Acrylic Colors, ABC)
 Manufacturer's Name : HOLBEIN Works, Ltd.
 Address : 2-2-5, Ueshio, Chuo-ku, Osaka-shi, OSAKA 542-0064 JAPAN
 Telephone Number : 81-6-6191-7722
 Department for Emergency : Technical Division
 Address : 4-10-52, Yokoshoji-cho, Higashi-osaka-shi, OSAKA 579-8063 JAPAN
 Telephone Number : 81-72-985-1223
 Preparer : ALAKI, Yutaka
 Date Prepared : 2015-5-2

§ 2. HAZARD IDENTIFICATION

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

§ 3. COMPOSITION / INFORMATION ON 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 HAZARDS

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 AND CHEMICAL PROPERTIES

Appearance and Odor : Colored Liquid with faint acrylic odor
 Boiling Point : Approx. 100°C
 Vapor Density (Air = 1) : —
 Vapor Pressure (Butyl Acetate = 1) : simile. Water
 Specific Gravity (H2O = 1) : 1.03~1.20(Av. 1.08)
 Solubility in Water : Can be diluted. Not so, after dried.

§ 10. STABILITY AND REACTIVITY

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 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 this colors is not confirmed.
 Oral Toxicity : The toxicity of this products is not confirmed.

§ 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 CONSIDERATION

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

Danger Class: N/A. (Not flammable liquid)
 Law: Fire law: ditto

§ 16. OTHER INFORMATION

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 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	Moss Green	—	AP
			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 Vioet	—	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

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AP