



## SAFETY DATA SHEET

U.S.Department of Labor

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910. 1200. Standard must be  
consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No.1218-0072

### § 1. IDENTITY INFORMATION

IDENTITY (as used on label and list)	E213	Drawing Ink
Manufacturer's Name	HOLBEIN Works, Ltd.	
Address	1-3-14, Hishiya-nishi, Higashi-osaka-shi, OSAKA 577-0807 JAPAN	
Telephone Number for information	81-6-6723-1555	
Emergency Telephone Number	81-72-985-1223	
Date Prepared	2013-8-29	
Preparer	ALAKI, Yutaka	

### § 2. HAZARD IDENTIFICATION

This product is water-based and not classified as dangerous for supply or conveyance.  
The ingredients are waterreducible and falls well within the acceptable safety limits.

GHS label elements Void	Classification :	Non-regulated
	Danger :	Nonflammable on product, except three colors
	Hazard information :	Especially none
	Ecological consideration :	Especially none

### § 3. COMPOSITION / INGREDIENTS

Components	(Specific Chemical Identity, Common Name(s))	
Colorant *	(Dye)	Basic or acid dye
Colorant **	(Pigment)	
Binder	(Acrylic resin)	CAS No. 25852-37-3
Moisturizer	(Propylene Glycol)	CAS No.57-55-6
Dispersant	(Sodium Polyacrylate)	CAS No.25549-84-2
Additive ***	(Alcohol)	CAS No.64-17-5
Additive ***	(Aqua Ammonia)	CAS No.64-17-5
Water *		CAS No.7732-18-5

- \* Main ingredient except several colors
- \*\* Main ingredient of White, Black and Special colors
- \*\*\* Applied to specified colors

### § 4. FIRST AID MEASURES

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. Ask immediately for medical doctor.
Skin Contact :	Wash with plenty of water, soap or other non-irritating cleansing agents.
Inhalation :	To be regarded as mere aerosolized dust. If feel unwell, take the person to fresh air.

### § 5. FIRE AND EXPLOSION HAZARD DATA

Flash Point :	Unidentified (Some colors are pointed as flammable. cf. appendix)
Extinguishing Media :	N/A (self-extinguishable)
Unusual Fire and Explosion Hazards :	Don't correspond to flammables under normal condition.

Material will not support combustion unless the water has evaporated.

#### § 6. ACCIDENTAL RELEASE WEASURES

Clean up immediately

#### § 7. HANDLING AND STORAGE

Precautions to Be Taken : Avoid prolonged or repeated contact with skin and eyes.

#### § 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Avoid inhaling aerosols.

#### § 9. PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance :	Translucent or opaque colored liquid
Odor :	Own smell
Specific Gravity (H <sub>2</sub> O = 1) :	ca. 1.0
Boiling Point :	Approx. 100°C (212F degrees)
Vapor Density (Air = 1) :	-
Solubility in Water :	∞

#### § 10. STABILITY AND REACTIVITY DATA

Stability :	Stable under normal state
Byproducts :	Carbon dioxide and water, nitrogen oxide in case of fire.
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  
 Oral Toxicity (LD50) : Toxicity of Drawing Ink itself does not been confirmed.  
 Although high density vapor of some raw materials irritates eye or respiratory organ, and may induces dizziness or headache, the action by Drawing Ink itself does not been confirmed.

Some ingredients are pointed as injurious to human. (cf. Appendix)

Basic Red 1	: Acute toxicity :	Category 4
		May cause cancer according to animal studies
Basic Red 23	: Acute toxicity :	Category 4
	Eye Effects :	Category 2 (Irritant)
Basic Blue 7	: Acute toxicity :	Category 3 (Toxic if swallowed)
Basic Violet 3	: Acute toxicity :	Category 4
	Carcinogenicity :	Category 2 (Suspected carcinogen)
Basic Violet 10	: = Rhodmine B	
	Acute toxicity :	Category 4

Skin irritation : Slightly hazardous. Irritant to the skin mucous membrane. Long time or repeated contact may irritate to skin and may cause inflammation.

Eye irritation : Although irritant to the eye mucous membrane, do not harm

Carcinogenicity : No data available.

#### § 12. ECOLOGICAL INFORMATION

No specific data is available

#### § 13. DISPOSAL CONSIDERATIONS

Pour in a bag filled with rags or paper. After dried, treat as flammable waste.

#### § 14. TRANSPORT INFORMATION

Hazard Class : Non-regulated

UN Number : N/A

## § 15. REGULATORY INFORMATION

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

## § 16. OTHER INFORMATION

Notice: The information of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties. The classifications of AP and CL about 17 colors are under the reference by ACMI, 2012-11-4.

## APPENDIX

Table COLOR INFORMATION

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  
 Flammability : Although been pointed with test, these products don't perform flammability under normal condition. Material will not support combustion.

Name	Colorant	Hazardous information
Bamboo Green	Dye	AP
Black	Pigment	AP
Blue Violet	Dye	Basic Violet 3 CL
Burnt Sienna	Dye	Basic Red 1 CL
Carmine	Dye	Basic Violet 10, Flammability CL
Cherry Red	Dye	Basic Red 23 CL
Cobalt Blue	Dye	Basic Blue 7 CL
Emerald Green	Dye	AP
Grey	Pigment	AP
Lemon Yellow	Dye	Flammability CL
Linden Green	Dye	AP
May Green	Dye	AP
Mexican Yellow	Dye	AP
Moss Green	Dye	Basic Blue 7 CL
Orange	Dye	AP
Prussian Blue	Dye	Basic Blue 7 CL
Red Violet	Dye	Basic Violet 10, Flammability CL
Scarlet	Dye	Basic Red 23 CL
Sepia	Pigment	AP
Sienna	Dye	AP
Special Black	Pigment	AP
Special Blue	Pigment	AP
Special Brown	Pigment	AP
Special Green	Pigment	AP
Special Red	Pigment	AP
Special Violet	Pigment	AP
Special Yellow	Pigment	AP
Terra Cotta	Dye	AP
Turquoise Blue	Dye	CL
Ultramarine Blue	Dye	Basic Blue 7 CL
Vermilion	Dye	Basic Red 1 CL
Violet	Dye	AP
White	Pigment	AP
Wine Red	Dye	Basic Red 23 CL
Yellow	Dye	AP