



# SAFETY DATA SHEET

## Section 1 – IDENTITY INFORMATION

Product Name : Holbein ECOLSE Oil Color (EOC)  
 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  
 Date Prepared : 2015-5-4  
 Preparer : ALAKI, Yutaka

## Section 2– HAZARD IDENTIFICATION

This product is not classified as dangerous for supply or conveyance.

Classification : Non-regulated  
 Danger : Not explosive. Not nonflammable (vegetable oil)  
 GHS label elements : Void  
 Hazard information : Practically not at harmful level. Not contain any injurious pigments except Jaune Brillant (See Section 11 – TOXICOLOGICAL INFORMATION).  
 Skin Irritation : Category 3 (Long time or repeated contact may irritate to skin.)  
 Eye Effects : Category 3 (When into eyes, may cause keratitis.)  
 Ingestive Effects : Depends on individuals

## Section 3– COMPOSITION / INGREDIENTS

Mixture of some ingredient

Components (Specific Chemical Identity, Common Name(s))

Colorant (Pigment) *	shown on table of catalog	
Vehicle (Vegetable Oil) *, **	CH <sub>2</sub> —OCOR	
	CH—OCOR	CAS No. 8001-26-1
		or others
	CH <sub>2</sub> —OCOR	
Modeling agent (Silicone Dioxide) ***	SiO <sub>2</sub>	CAS No. 112945-52-5
Drier (Metallic Soap) ****	ex; (RCOO) <sub>2</sub> Co	CAS No. 61789-51-3

\*: Main ingredient

\*\*: Raw or polymerised Linseed oil or Poppy oil (Triglyceride of Linolic acid, Linolenic acid Oleic acid or Palmitic acid)

\*\*\*: In some colors, may be altered with Aluminium Hydroxide, Calcium Carbonate, or no body pigment.

\*\*\*\*: Naphthenate or Octoate of Cobalt, Manganese or Zirconium. In some colors, not applied.

## Section 4– FIRST AID MEASURES

Eyes : In case of eye contact, rinse with plenty of water and consult an eye specialist.  
 Ingestion : Drink plenty of water. Induce vomiting. If you feel unwell, contact and tell us the pigment information with the number shown as C.I. No. to confirm the ingredient pigment. Seek medical attention according to name of pigment.  
 Skin Contact : Wash with mild soap and water.

## Section 5– FIRE AND EXPLOSION HAZARD DATA

Flash Point : 306°C (As Linseed Oil. Not examined about products)  
 Extinguishing Media : Water mist, Foam, Dry powder, CO<sub>2</sub>  
 Unusual Fire and Explosion Hazards : Oil dries by oxygen. Rags or waste soaked with oil may spontaneously catch fire if improperly discarded. Not exclusive.

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## Section 6– ACCIDENTAL RELEASE MEASURES

Step to Be Taken in Case Material Is Released or Spilled :

Wipe out with rag or waste. Avoid entry into the sewage system (Drying oil may cause of clogging).

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## Section 7– HANDLING AND STORAGE

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

Storage Requirements : Store below 50°C. Keep container closed tightly to prevent drying out.

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## Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

None (No data on products)

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## Section 9 – PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : Colored paste with heavy viscosity

Volatile : None

Odor : as vegetable oil

Specific Gravity (H<sub>2</sub>O = 1) : 1.2~2.3 (av:1.70)

Boiling Point : N/A

pH : N/A

Solubility in Water : Insoluble. Soluble in organic solvent

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## Section 10 – HAZARD INFORMATION AND STABILITY

Physical Dangers : Not nonflammable (vegetable oil)

Stability : Stable under normal state

Reactivity : None

Byproducts : Carbon dioxide, oxides of metals and water in case of fire.

Incompatibility (Materials to Avoid) : None

Hazardous Decomposition or Byproducts : Products small amount of peroxides or aldehydes while dry or under high temperature. In case of fire, formation of carbon dioxide, water and oxides of metal (depending each pigments).

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## Section 11 – TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, swallowing

Oral Toxicity (LC<sub>50</sub>) : Differs by each colors. Not practically act acutely.

Skin irritation : Usually non irritant. Upon skin contact, wash with soap or other non-irritating cleansing agents.

Eye irritation : None. Usually non irritant, but hurtable. When into eyes, may cause keratitis.

Carcinogenicity : Cadmium in Jaune Brillant is listed as carcinogen. No data available on products.

Sensitization : Not expected

Mutagenicity : N/A

Teratogenicity : None known

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## Section 12 – ECOLOGICAL INFORMATION

No suitable information

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## Section 13– DISPOSAL CONSIDERATIONS

May be transported to incinerator or if necessary after suitable conditioning to refuse dump if local regulations are observed.

As being filled in aluminium tube, this products may be treated as incombustible according to to all federal, state or governmental regulations.

Stained cloths or papers which has been used to wipe or so on are so flammable that they had better been wetted with water.

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## Section 14– TRANSPORT INFORMATION

Transport Hazard Class : Non-regulated. Out of case of general notice on flammability.

UN Class : N/A

UN Number : N/A

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**Section 15- REGULATORY INFORMATION**

Ready to be conformed to ACMI, Art & Creative Materials Institute, under ASTM D 4236.

Industrial Safety and Health Law :	N/A
Fire Service Law :	Dangerous Materials Group 4
High Pressure Gas Safety Law :	N/A

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**Section 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.

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**Appendix**
**Table COLOR INFORMATION**

Name	Hazardous ingredient		Name	Hazardous ingredient	
Alizarin Crimson	-	AP	Prussian Blue	-	AP
Burnt Sienna	-	AP	Raw Sienna	-	AP
Burnt Umber	-	AP	Raw Umber	-	AP
Cadmium Green Deep Hue	-	AP	Red Ochre	-	AP
Cadmium Green Light Hue	-	AP	Rose Violet	-	AP
Cadmium Green Middle Hue	-	AP	Sap Green	-	AP
Cadmium Green Pale Hue	-	AP	Scarlet Lake	-	AP
Cadmium Red Hue	-	AP	Terre Verte	-	AP
Cadmium Yellow Deep Hue	-	AP	Titanium White	-	AP
Cadmium Yellow Lemon Hue	-	AP	Turquoise Blue	-	AP
Cadmium Yellow Light Hue	-	AP	Ultramarine Blue	-	AP
Cadmium Yellow Orange Hue	-	AP	Vandyke Brown	-	AP
Cerulean Blue Hue	-	AP	Vermillion Hue	-	AP
Cinnabar Green	-	AP	Viridian (Hue)	-	AP
Cobalt Blue Hue	-	AP	Yellow Ochre	-	AP
Cobalt Violet Light Hue	-	AP	Zinc White	-	AP
Compose Blue	-	AP			
Coral Red	-	AP			
Emerald Green Hue	-	AP	Se-Cd	Selenium-Cadmium	
Grey of Grey	-	AP	AP	Approved Product	
Indian Yellow	-	AP		Contain no materials in sufficient quantities	
Ivory Black	-	AP		to be toxic or injurious to humans.	
Jaune Brilliant	Se-Cd	CL	CL	Cautionary Label	
Mauve	-	AP		Any known health risks and with	
Naples Yellow	-	AP		information on the safe and proper use of	
Paynes Grey	-	AP		these materials	