



## SAFETY DATA SHEET

### Section 1 – IDENTITY INFORMATION

Product Name : Holbein Superior Artists' Oil Color, VERNET  
 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 (cf. 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

Components	(Specific Chemical Identity, Common Name(s))	
	Pigment *	
Aluminium Hydrate ** :	[Al <sub>2</sub> SO <sub>4</sub> (OH) <sub>4</sub> ·xH <sub>2</sub> O·2Al(OH) <sub>3</sub> ] <sub>n</sub>	CAS No. 12408-53-8
Vegetable Oil *, *** :	CH <sub>2</sub> —OCOR	
	CH—OCOR	CAS No. 8001-26-1
		or others
	CH <sub>2</sub> —OCOR	
Venetian Turpentine :		CAS No. 8007-41-8
Metallic Soap (Drier)**** :	ex: (RCOO) <sub>2</sub> Co	CAS No. 61789-51-3

\* : Main ingredient  
 \*\* : Only in specified colors  
 \*\*\* : Raw or polymerised Linseed oil or Poppy oil  
 (Triglyceride of Linolic acid, Linolenic acid Oleic acid or Palmitic acid)  
 \*\*\*\* : 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 if necessary consult an eye specialist.  
 Ingestion : Drink plenty of water. Induce vomiting. 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>

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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 to Be Taken in Handling and Storing : 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) : 1.1~3.3 (av.=1.7)  
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 : 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 (LC50) : Differs by each colors. Not heavy if swallowed, nevertheless using harmful pigments. Even if hazardous, doesn't practically act acutely.  
The harmful pigments are noted on catalog as follows ;  
Cadmium group : Contains soluble Cadmium which may be harmful by ingestion.  
Exposure may cause damage to the kidneys or testes or harm to the developing fetus.  
Cobalt group, Aureolin and Cerulean Blue : Contains soluble Cobalt which may be harmful if swallowed. Exposure may damage heart or lungs.  
Silver White : Except from Japanese Poisonous and Deleterious Substances Control Law. According to the amount or period, may cause fatigue, headache, skin pallor, anaemia or sensory obstacle.  
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 and Cobalt pigments are 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.

#### Section 14- TRANSPORT INFORMATION

Transport Hazard Class : Non-regulated. Out of case of general notice on flammability.  
UN Class, UN Number : N/A

#### 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

#### 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.

#### Appendix

Table Information of VERNET

Name	Hazardous ingredient	Clasiffication	Name	Hazardous ingredient	Clasiffication
Alizarin Crimson	-	AP	Pyrrol Orange	-	AP
Aureolin	Co	CL	Pyrrol Red	-	AP
Bismuth Yellow	-	AP	Quinacridone Magenta	-	AP
Burnt Sienna	-	AP	Raw Sienna	-	AP
Burnt Umber	-	AP	Raw Umber	-	AP
Cadmium Orange	Cd	CL	Silver White (Linseed)	Pb	CL
Cadmium Red	Cd	CL	Silver White (Poppy)	Pb	CL
Cadmium Yellow	Cd	CL	Terre Verte	-	AP
Cerulean Blue	Co	AP	Titanium White	-	AP
Cobalt Blue	Co	AP	Transparent Gold Oxide	-	AP
Cobalt Green	Co	AP	Ultramarine Blue	-	AP
Cobalt Turquoise	Co	AP	Vermilion	-	AP
Cobalt Violet	Co	AP	Viridian	-	AP
Dioxazine Violet	-	AP	Yellow Ochre	-	AP
Imidazolone Yellow	-	AP			
Indanthrene Blue	-	AP			
Ivory Black	-	AP			
Lamp Black	-	AP			
Light Red	-	AP			
Mineral Violet	-	AP			
Nickel Azo Yellow	-	AP			
Oxide of Chromium	-	AP			
Perylene Green	-	AP			
Phthalocyanine Blue	-	AP			
Phthalocyanine Green	-	AP			
Prussian Blue	-	AP			
			Cd	Cadmium	
			Co	Cobalt	
			Pb	Lead	
			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	