



SAFETY DATA SHEET

2017-1-30

May be used to comply with U.S. Department of Labor
 OSHA's Hazard Communication Standard, Occupational Safety and Health Administration
 29 CFR 1910. 1200. (Non-Mandatory Form)
 Standard must be consulted for specific requirements. OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) :

Holbein Superior Artists' Oil Color, VERNET (HVC)

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
 Preparer : ALAKI, Yutaka

§ 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.
 Some colors are indicated to be noted on catalog.
 (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

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture of some ingredients

Components (Specific Chemical Identity, Common Name)

Pigment (Colorant) *	: shown on table of catalog	
Aluminium Hydrate ** :	$[Al_2SO_4(OH)_4 \cdot xH_2O \cdot 2Al(OH)_3]_n$	CAS No. 12408-53-8
Vegetable Oil *, *** (Binder)	: CH ₂ —OCOR CH—OCOR CH ₂ —OCOR	CAS No. 8001-26-1 or others
Venetian Turpentine :		CAS No. 8007-41-8
Metallic Soap (Drier)****	: ex; (RCOO) ₂ Co	CAS No. 61789-51-3

*: Main ingredient

**: Only in specified colors.

***: Raw or polymerized 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.

§ 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. 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.
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§ 5 - FIRE AND EXPLOSION HAZARD DATA

- Flammability : Not nonflammable (vegetable oil)
- Flash Point : 306 °C (As Linseed Oil. Not examined about products)
- Extinguishing Media : Water mist, Foam, Dry powder, CO₂
- 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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§ 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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§ 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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§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

None (No data on products)

§ 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

- Appearance : Colored paste with heavy consistency
- Volatile : None
- Odor : as vegetable oil
- Specific Gravity (H₂O = 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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§ 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 : Produces 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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§ 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

§ 12 - ECOLOGICAL INFORMATION

No suitable information

§ 13 - DISPOSAL CONSIDERATIONS

May be incinerated 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 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.

§ 14 - TRANSPORT INFORMATION

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

UN Class : N/A

UN Number : N/A

Packing Group : N/A

§ 15 - REGULATORY INFORMATION

Industrial Safety and Health Law : N/A

Fire Service Law : Dangerous Materials Group 4

High Pressure Gas Safety Law : N/A

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

§ 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, and not secure the perfection. All information may change according to circumstances.

Appendix

Table Information of VERNET

Cd	Cadmium
Co	Cobalt
Cu	Copper
Hg	Mercury
Pb	Lead
Se-Cd	Selenium-Cadmium

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