

2024-7-19

SAFETY DATA SHEET

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200.
 Standard must be consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : Holbein ACADEMIC Oil Color

Manufacturer : HOLBEIN Works, Ltd.
 Address : 1-3-14, Hishiya-nishi, Higashi-osaka-shi
 OSAKA 577-0807, JAPAN
 Telephone Number for information : 81-6-6191-7722
 Emergency Telephone Number : 81-72-985-1222 (HOLBEIN Labo, Ltd.)
 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)	CAS No.
Pigment (Colorant) *	: shown on table of catalog
Silica (Silicon dioxide, Body pigment) **	SiO ₂ 112945-52-5
	: CH ₂ —OCOR
Vegetable Oil (Binder)*, ***	CH—OCOR 8001-26-1 or others
	CH ₂ —OCOR
Metallic Soap (Drier)****	: ex; (RCOO) ₂ Co 61789-51-3
*: Main ingredient	
**: Only in specified colors. May be altered with Calcium Carbonate.	
***: 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.

§ 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.

§ 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).

§ 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.

§ 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) : 1.2~2.3 (av.: 1.68)
 Boiling Point : N/A
 pH : N/A
 Solubility in Water : Insoluble. Soluble in organic solvent

§ 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).

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, swallowing
 Oral Toxicity : Jaune Brillant : Is pointed that it may damage kidney or lung or influence fetus because of cadmium pigment. On actual product, it is out of dangerous area by the sufficient purification by manufacturer.
 Turquoise Blue, Grey of Grey and Manganese Blue (Hue) : Are pointed that they may cause anemia or damage to heart or lungs because of cobalt pigment. Even though they are literally pointed, on actual products, they are out of dangerous area by the sufficient purification by manufacturer.
 Ivory Black : Although IRAC, the International Agency for Research on Cancer, classifies carbon black into group B, possibly carcinogenic to humans, the Japan Carbon Black Association does not acknowledge the effectiveness.
 Skin irritation : Usually non irritant. Upon skin contact, wash with soap or other non-irritating cleansing agents.

Eye irritation : None. Usually non irritant, but hurttable. When into eyes, may cause keratitis.
Carcinogenicity : Cadmium and Cobalt pigments are listed as carcinogen. No data available on products.
Sensitization, Mutagenicity, Teratogenicity : No suitable data available

§ 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

UN Proper Shipping Name : N/A

UN Number : N/A

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

Packing Group : N/A

§ 15 - REGULATORY INFORMATION

Fire Service Law : Non-regulated

Industrial Safety and Health Law, 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 ACADEMIC

Name	Hazardous ingredient	Classification	Pigment (C.I. Name)
Alizarin Crimson	—	AP	PR83
Blue Grey	—	AP	PB29, PW6
Brilliant Pink	—	AP	PR48, PW6
Burnt Sienna	—	AP	PBr7
Burnt Umber	—	AP	PBr6, PBr7
Cadmium Green Deep (Hue)	—	AP	PY14, PB15
Cadmium Green Light (Hue)	—	AP	PY14, PY53, PG7
Cadmium Green Middle (Hue)	—	AP	PY14, PY53, PB15
Cadmium Green Pale (Hue)	—	AP	PY14, PY53, PG7
Cadmium Red(Hue)	—	AP	PR48
Cadmium Yellow Deep (Hue)	—	AP	PY152, PY53
Cadmium Yellow Lemon (Hue)	—	AP	PY81, PW6
Cadmium Yellow Light (Hue)	—	AP	PY14, PY53
Cadmium Yellow Orange (Hue)	—	AP	PY55
Cerulean Blue(Hue)	—	AP	PB15, PW6
Cinnabar Green	—	AP	PY43, PY53, PB15
Cobalt Blue (Hue)	—	AP	PB15, PB29, PW6
Cobalt Violet Light (Hue)	—	AP	PR122, PB29, PW5
Compose Blue	—	AP	PB15, PW6
Coral Red	—	AP	PR188, PY74
Emerald Green (Hue)	—	AP	PY81, PG7, PW6
Green Grey	—	AP	PG17, PW6
Grey of Grey	Co	AP	PV47, PBk1, PW6
Ice Blue	—	AP	PB15, PG7
Indian Yellow	—	AP	PY83, PR101
Ivory Black	—	AP	PBk7
Jaune Brillant	Se-Cd	AP	PR108, PW6
Manganese Blue (Hue)	Co	AP	PB28, PB15
Mauve	—	AP	PR122
Naples Yellow	—	AP	PY42, PW6
Olive Green	—	AP	PY17, PB29, PR83
Payne's Grey	—	AP	PB29, PBk11
Prussian Blue	—	AP	PB27
Raw Sienna	—	AP	PY43
Raw Umber	—	AP	PBr7
Red Ochre	—	AP	PR101, PBr7
Rose Violet	—	AP	PR122
Sap Green	—	AP	PY17, PG7
Scarlet Lake	—	AP	PO73
Terre Verte	—	AP	PG23
Titanium White	—	AP	PW6
Turquoise Blue	Co	AP	PB35, PW6
Ultramarine Blue	—	AP	PB29
Ultramarine Deep	—	AP	PB29
Vandyke Brown	—	AP	PBr6
Vermilion (Hue)	—	AP	PO73, PY74
Violet Grey	—	AP	PV15, PW6
Viridian (Hue)	—	AP	PG7
Yellow Ochre	—	AP	PY42
Zinc White	—	AP	PW4, PW6

Co : Cobalt
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

PIGMENT

C.I. Name	Pigment (ingredient)	C.I. Name	Pigment (ingredient)
PB15	Phthalocyanine blue	PR122	Quinacridone red
PB27	Ferric ammonium ferrocyanide	PR188	Monoazo red
PB28	Cobalt Aluminate	PV15	Ultramarine Violet
PB29	Synthetic ultramarine blue (Polysulfide of sodium alumino-silicate)	PV47	Cobalt violet (Cobalt-lithium phosphate)
PB35	Cobalt stannate	PY14	Disazo yellow
PBk1	Aniline black (Condensed aniline)	PY17	Disazo yellow
PBk7	Carbon black	PY42	Synthetic yellow ochre (Iron hydrate)
PBk11	Iron oxide black	PY43	Natural yellow ochre
PBr6	Iron oxide brown	PY53	Titanium yellow (Nickel-Antimony Titanate)
PBr7	Natural iron oxide	PY55	Disazo yellow
PG7	Phthalocyanine green	PY74	Azo yellow
PG17	Dichromium trioxide	PY81	Disazo yellow
PG23	Green earth	PY83	Disazo yellow
PO73	Diketopyrrolopyrrole orange	PY152	Disazo yellow
PR48	Monoazo lake	PW4	Zinc white (Zinc oxide)
PR83	Alizarin Lake	PW5	Lithopone (Barium zinc sulfate sulfide)
PR101	Iron oxide red	PW6	Titanium white (Titanium dioxide)
PR108	Cadmium Red (Cadmium Sulfoselenide)		