



SAFETY DATA SHEET

2017-1-5

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)
Form Approved OMB No.1218-007

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : O 519 White Mat Varnish (Blanc Mat Liquide)

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

Classification : Flammable Liquid, Category 3
Hazard information : Irritant to eyes and skin. Inhalation of concentrated vapor irritates eyes and/or bronchial pathway, or may influence to central nerve.

Acute toxicity : Category 4
Skin Irritation : Category 2
Eye Effects : Category 2B
Respiratory Sensitization : Category 1/Inhalation may cause allergy, asthma or dyspnea.
Skin Sensitization : Category 1/May cause allergic dermatitis



§ 3 - COMPOSITION / INGREDIENTS

Components	(Specific Chemical Identity, Common Name(s))	CAS No.
Bees wax *	Esters of Fatty Acids, Long-chain Alcohols	8012-89-3
Silica	SiO ₂	7631-86-9
Naphtha	Hydrated Heavy Petroleum	64742-48-9

* : Bees wax does not belong to the resins.

§ 4 - FIRST AID MEASURES

Inhalation : Remove to fresh air.
Ingestion : Do NOT induce vomiting, except in case of excess swallowing.
Ask immediately for medical doctor.
Eyes : In case of eye contact, rinse with plenty of water and if necessary consult an eye specialist.
Skin Contact : Upon skin contact, wash with plenty of water, soap or other non-irritating cleansing agents.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : Flammable
Flash Point : 44.3 °C
Autoignition Temp : 210 °C
Extinguishing Method : Take off fire or other flammable materials, and use with extinguishing tools.
Extinguishing Media : Foam, Dry powder, CO₂

Unusual Fire and Explosion Hazards : None

§ 6 - ACCIDENTAL RELEASE MEASURES

Step to Be Taken in Case Material Is Released or Spilled : Take up with absorbent materials.

Prevention of Secondary Disaster : Take off fire or other flammable materials.
 Personal Consideration : Use mechanical ventilation.
 Environmental Precautions : Prevent spills from entering storm sewers or drains.

§ 7 - HANDLING AND STORAGE

Precautions: Avoid prolonged or repeated contact with skin and eyes.
 Storage Requirements : Keep from fire or flammable materials.
 Do not allow product temperature to rise high.
 Handling Procedures/Equipment : Treat as paint product.

§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Use mechanical ventilation when applying.
 Personal Protection : Avoid inhaling aerosols.
 Threshold Limit Value : 197ppm (1200mg/m³, Hydrocarbons)

§ 9 - PHYSICAL / CHEMICAL CHARACTER

Appearance : White liquid
 Odor : Mild petroleum smell
 Boiling Point : 156~200 °C
 Specific Gravity (H₂O = 1) : 0.80

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Flammable
 Stability : Stable under normal state
 Incompatibility (materials to avoid) : Strong oxidant
 Byproducts : Carbon dioxide and water
 Hazardous Decomposition : No thermal decomposition when stored and handled correctly.
 Corrosive Behavior : None

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, swallowing
 Oral Toxicity : LD₅₀ ≅ 20,000 mg/kg (Rat, Naphtha, estimate)
 Ingestion : Although the effect or toxicity of swallowing is not serious, the liquid or vapor based on swallowing or vomiting may cause of bronchitis or pulmonary edema.
 Inhalation Toxicity : May cause central nervous system effects. (Naphtha)
 Effects of Acute Exposure : None known
 Eye irritation : Usually irritant to the eye mucous membrane
 Skin irritation : Long time or repeated contact may irritate to skin and may cause inflammation.
 Repeated Exposure : Inhalation of mist may cause irritation of bronchial pathway and/or stupor. Chronical excess inhalation in long time of mist induces inflammation of lung, and are anesthetic and may have other central nervous system effects..(Naphtha).
 Sensitization, Reproductive Toxicity, Mutagenicity, Teratogenicity : No data available on product.
 Carcinogenicity : IARC (The International Agency for Research on Cancer) classifies naphtha in Group 3, not classifiable agent as to its carcinogenicity to humans.

§ 12 - ECOLOGICAL INFORMATIONNo suitable information

§ 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations : To be incinerated.
Waste Disposal Method : In accordance with local official regulations, pass on to an appropriate incinerating plant or depository.

§ 14 - TRANSPORT INFORMATION

Hazard Class : Class 3 (Flammable)
UN number : 1263 (Varnish)
Packing Group : III

§ 15 - REGULATORY INFORMATION

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236
Industrial Safety and Health Law : Flammable organic solvent
Fire Service Law (Japan) : Dangerous Materials ; Group 4
Petroleum Category 2
Registered No. : 4041-143324
Regulation to Control Dangerous Materials : Conforms to article 41 and below.
High Pressure Gas Safety Law : N/A

§ 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 Information of Blanc Mat Liquide

Hazardous Ingredient : Naphtha
Classification : CL

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