



SAFETY DATA SHEET

2025-2-21

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

Ref. No.	Product Name (as used on label and list)	
O 514, O 414, O 314	Painting Varnish	(Vernis a Peindre)
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

Classification :	Flammable Liquid, Category 3	  
Hazard information :	Irritant to eyes and skin. Inhalation of concentrated vapor irritates eyes and/or bronchial pathway, or may influences to central nerve.	
Acute toxicity :	Category 4	
Skin Irritation :	Category 2~Category 3	
Eye Effects :	Category 2A	
Respiratory Sensitization :	Category 1/Inhalation may cause allergy, asthma or dyspnea.	
Skin Sensitization :	Category 1/May cause allergic dermatitis	

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture (* : main ingredient)		
Components	(Specific Chemical Identity, Common name(s), C.I. No)	CAS. No.
Dammar Resin *	Various Resin Acids	9000-16-2
Poppy Oil	Esters of Fatty Acids	8002-11-7
Naphtha	Hydrated Heavy Petroleum	64742-48-9
Spirits of Turpentine (Alpha-pinene)	C ₁₀ H ₁₆	8006-64-2
Glycol-Ether	C ₈ H ₁₈ O ₃	11109-77-4
Alcohols	Registered	Registered

§ 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 :	13.3 °C
Autoignition Temp :	210 °C
Extinguishing Method :	Take off fire or other flammable materials, and use with extinguishing tools.
Extinguishing Media :	Foam, Dry powder, CO ₂
Unusual Fire and Explosion Hazards :	None

§ 6 - ACCIDENTAL RELEASE MEASURES

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

	Then 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 (hydrocarbons)

§ 9 - PHYSICAL / CHEMICAL CHARACTER

Odor :	Mild petroleum and terpenoid smell
Boiling Point :	64.7 °C
Specific Gravity :	0.87
Solubility :	Insoluble

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers :	Flammable
Stability :	Stable under normal state
Incompatibility (materials to avoid) :	None
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 :	LD ₅₀ =6,300 mg/kg (Equivalent by component)
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, Spirits of turpentine)
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 and Spirits of turpentine).

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 INFORMATION

No 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 : II

§ 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 1
 Regulation to Control Dangerous Materials : Conforms to article 41 and appendix.
 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 Painting Varinish (Vernis a Peindre)

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