



SAFETY DATA SHEET

2016-11-27

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) :

O 655, O 505, O 405, O 305, O 205, O 105	Painting Oil Medium
O 545, O 445, O 345	Odorless Painting Oil Medium
O 531, O 431, O 331	Special Painting Oil Medium
O 532, O 432	Special Mat Painting Oil Medium
O 504, O 404, O 304, O 204, O 104	Lesolvent
O 544, O 444, O 344	Odorless Lesolvent
O 533, O 433	Special Lesolvent
O 529, O 429, O 329	Quick Drying Medium

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 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

	Drying oil *	Resin	Solvent	Dryer	Additive
Painting Oil Medium	1a	5a	7	10	
Odorless Painting Oil Medium	2	5a	8	10	
Special Painting Oil Medium	1b	6	9	10	
Special Mat Painting Oil Medium	1b	-	7	10	11
Lesolvent	3	5a	7	10	
Odorless Lesolvent	3	5a	8	10	
Special Lesolvent	4	6	9	10	
Quick Drying Medium	1b	5b	7	10	

Components	(Specific Chemical Identity, Common Name(s))	CAS No.
1a, 1b	Polymerized Linseed Oil	67746-08-1
2	Linseed Oil	8001-26-1

Components	(Specific Chemical Identity, Common Name(s))	CAS No.
3	Poppy Oil	8002-11-7
4	Polymerized Poppy Oil	60-33-3
5a, 5b	Synthetic Resin	Registered
6	Dammar Resin	9000-16-2
7	Naphtha (Hydrated Heavy Petroleum)	64742-48-9
8	Isoparaffin	Registered
9	Spirits of Turpentine (Alpha-pinene)	8006-64-2
10	Metallic soap (Ex; Cobalt Naphthenate, (RCOO)2Co)	61789-51-3
11	Silica (SiO ₂)	112945-52-5

* : Vegetable drying oil (Triglyceride of Linolic, Linolenic, Oleic or Palmitic acid)

§ 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 (° C)	Auto-ignition Temp (° C)
Painting Oil Medium	44.3	263
Odorless Painting Oil Medium	48.0	-
Special Painting Oil Medium	18.8	278
Special Mat Painting Oil Medium	42.3	-
Lesolvent	44	-
Odorless Lesolvent	48	-
Special Lesolvent	18.5	278
Quick Drying Medium	42	210

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 :	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.

§ 9 - PHYSICAL / CHEMICAL CHARACTER

	Odor	Boiling Point (° C)	Specific Gravity (H ₂ O = 1)
Painting Oil Medium	1	156~200	0.84
Odorless Painting Oil Medium	1	166~190	0.82
Special Painting Oil Medium	2	150	0.88
Special Mat Painting Oil Medium	1	156~200	0.92
Lesolvent	1	154~197	0.88
Odorless Lesolvent	1	166~190	0.84
Special Lesolvent	2	150	0.88
Quick Drying Medium	1	156~200	0.91

1. Petroleum smell
 2. Terpenic smell
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§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Flammable
 Stability : Stable under normal state
 Reactivity : None
 Byproducts : Carbon dioxide, water and dioxide of cobalt.
 Hazardous Decomposition or Byproducts : No thermal decomposition when stored and handled correctly.
 Incompatibility (Materials to Avoid) : None
 Corrosive Behavior : None

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, swallowing

Oral Toxicity : Painting Oil Medium (LD ₅₀ , mg/kg)	Lesolvent	} > 15,000 (Naphtha, Rat)
Special Mat Painting Oil Medium	Quick Drying Medium	
Odorless Painting Oil Medium	Odorless Lesolvent	} > 20,000 (Rat, Isoparaffin)
Special Painting Oil Medium	Special Lesolvent	} > 3,700 (Spirits of turpentine)

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)
 High density vapor irritates respiratory organ, and induces dizziness, headache, anesthesia, slumber or the effect to central nervous system. (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)
 Weak smell may not call the attention. (Odorless petroleum)

Sensitization, Reproductive Toxicity, Mutagenicity, Teratogenicity : No data available on products.

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

Not been confirmed

§ 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations : To be incinerated.

Waste Disposal Method : 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

Hazard Class : Class 3 (Flammable)

UN number : 1263

Packing Group :

II	Special Painting Oil Medium
	Special Lesolvant
III	Painting Oil Medium
	Lesolvant
	Special Mat Painting Oil Medium
	Odorless Painting Oil Medium
	Odorless Lesolvant
	Quick Drying Medium

§ 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

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

Table Information of OIL MEDIA

Name	Hazardous Ingredient	Classification
Painting Oil Medium	Naphtha	CL
Odorless Painting Oil Medium	Isoparaffin	CL*
Special Painting Oil Medium	Spirits of Turpentine	CL*
Special Mat Painting Oil Medium	Naphtha	CL*
Lesolvant	Naphtha	CL
Odorless Lesolvant	Isoparaffin	CL*
Special Lesolvant	Spirits of Turpentine	CL*
Quick Drying Medium	Naphtha	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

* Correspondence