



SAFETY DATA SHEET

2017-3-30

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 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 influences 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

Substance/Mixture : Mixture (* : main ingredient)

Components	(Specific Chemical Identity, Common Name(s))	CAS No.
	Polymerized Linseed Oil *	67746-08-1
	Synthetic Resin *	Registered
	Naphtha (Hydrated Heavy Petroleum)	64742-48-9
	Metallic soap (Ex; Cobalt Naphthenate, (RCOO) ₂ Co)	61789-51-3
Linseed Oil :	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 : 42 ° C

Auto-ignition 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.

§ 9 - PHYSICAL / CHEMICAL CHARACTER

Appearance : Pale clear liquid
Odor : Mild petroleum smell
Boiling Point : 156~200 ° C
Specific Gravity : 0.84
Solubility : Insoluble with water

§ 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 : LD50 > 15,000 mg/kg (Naphtha, Rat)
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 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 : 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

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 QUICK DRYING MEDIUM

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

* Correspondence