



# SAFETY DATA SHEET

2016-11-26

May be used to comply with U.S. Department of Labor  
 OSHA's Hazard Communication Standard, Occupational Safety and Health Administration  
 29 CFR 1910.1200. (Non-Mandatory Form)  
 Standard must be consulted for specific requirements. OMB No.1218-0072

## § 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : O 521 JAPAN GOLD SIZE  
 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 : N/A



## § 3 - COMPOSITION / INGREDIENTS

Components	(Specific Chemical Identity, Common Name(s), C.I. No)	CAS. No.
Modified Copal Resin	(Running Copal Resin)	9000-14-0
Polymerized Linseed Oil		67746-08-1
Spirits of Turpentine	(Alpha-pinene)	8006-64-2
Cobalt Naphthenate	(RCOO) <sub>2</sub> Co	61789-51-3

## § 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 : 33.5 °C  
 Extinguishing Method : Take off fire or other flammable materials, and use with extinguishing tools.  
 Extinguishing Media : Foam, Dry powder, CO<sub>2</sub>

## § 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 CHARACTE

Appearance : Viscous black liquid  
 Odor : Terpenic with oil smell  
 Specific Gravity (H<sub>2</sub>O = 1) : 0.93  
 Boiling Point : 155°C  
 Vapor Density (Air = 1) : 4.7  
 Solubility in Water : Insoluble

## § 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(LD<sub>50</sub>) : 3,700mg/kg (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 : 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.  
 Sensitization, Reproductive Toxicity : No data available on product.

Japan Gold Size is approved as AP by ACMI.

AP : Approved Product : Contain no materials in sufficient quantities to be toxic or injurious to humans.

ACMI : Art & Creative Materials Institute, under ASTM D 4236

## § 12 - ECOLOGICAL INFORMATION

Not been confirmed

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§ 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.

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§ 14 - TRANSPORT INFORMATION

Hazard Class : Class 3 (Flammable)  
UN Number : 1263 (Oil Varnish)  
Packing Groupe : III

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§ 15 - REGULATORY INFORMATION

Conforms to ACMI (cf. §11)  
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

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§ 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.