



SAFETY DATA SHEET

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.1218-0072

§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 | 81-72-985-1223 |
| Date Prepared | 2015-4-8 |
| 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 : | N/A |



§3. COMPOSITION / INGREDIENTS

| Components (Specific Chemical Identity, Common Name(s)) | 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)2Co | 61789-51-3 |

§4. FIRST AID MEASURES

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|----------------|--|
| 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 : | 18.5 °C |
| Extinguishing Method : | Take off fire or other flammable materials, and use with extinguishing tools. |
| Extinguishing Media : | Foam, Dry powder, CO2 |

§6. ACCIDENTAL RELEASE MEASURES

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|--|--|
| 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 to Be Taken in Handling and Storing : 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 CHARACTERISTICS

Appearance : Viscous black liquid

Odor : Terpenic with oil smell

Specific Gravity (H₂O = 1) : 0.93

Boiling Point : 150°C

Vapor Density (Air = 1) : 4.7

Vapor Pressure (Butyl Acetate = 1) : 200 Pa (50°C)

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 : 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.

§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 : 1299

§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 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.