



Safety Data Sheet

U.S.Department of Labor may be used to comply with Occupational Safety and Health Administration OSHA's Hazard Communication Standard, (Non-Mandatory Form) 29 CFR 1910. 1200. Standard must be Form Approved consulted for specific requirements.OMB No.1218-0072

Section 1 – IDENTITY INFORMATION

Product Name (as used on label and list)

DO 529, DO 429 **DUO Quick Drying Liquid**
DU 466, DU 566 **DUO Quick Drying Medium Gloss**
DU 467, DU 567 **DUO Quick Drying Medium Mat**

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 : 2014-11-28
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Section 2- HAZARD IDENTIFICATION

This product is water-based and not classified as dangerous for supply or conveyance.

GHS label elements Void

Classification : Non-regulated
Danger : Nonflammable
Hazard information : Especially none
Acute toxicity : Category 5/Relatively low
Skin Irritation : Category 3
Eye Effects : Category 3

Section 3- COMPOSITION / INGREDIENTS

Components (Specific Chemical Identity, Common Name(s), C.I.No, CAS. No.)

Resin	(Acrylic modified alkyd resin)*	CAS No. 63148-69-6
Thickener	(Polyacrylate)**	CAS No. -closed-
Surfactant	(Polyoxyethylene lauryl ether)	CAS No. 9002-92-0
Matting agent	(Silicon dioxide, PW 27)***	CAS No. 7631-86-9
Preservative	(Benzisothiazol)	CAS No. 2634-33-5
Water		CAS No. 7732-18-5

*: Main ingredient, **: for Medium Gloss, Medium Mat, ***: for Medium Mat

Section 4- FIRST AID MEASURES

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel.
Eyes : In case of eye contact, rinse with plenty of water and if necessary consult an eye specialist.
Skin Contact : Wash with mild soap and water.
Inhalation : This product is not inhaled.

Section 5- FIRE AND EXPLOSION HAZARD DATA

Flammability : Not combustible unless dried up (water-based product)
Flash Point : Not below 100°C (Not examined about products)
Autoignition Point : No Data Available
Combustion Products : Carbon monoxide, dioxides
Extinguishing Method : Take off fire or other flammable materials, and use with

extinguishing tools.
 Extinguishing Media : Water mist, Foam, Dry powder, CO2
 Unusual Fire and Explosion Hazards : Material will not support combustion unless the water has evaporated.

Section 6 – ACCIDENTAL RELEASE MEASURES

Wipe out or take up with absorbent materials.
 Environmental Precautions : Prevent spills from entering storm sewers or drains and contact with soil.

Section 7 – HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storing : Avoid prolonged or repeated contact with skin and eyes.
 Storage Requirements : Keep container closed tightly to prevent drying out.
 Handling Procedures/Equipment : Treat as paint product. Use soap and water for clean-up.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Especially none

Section 9 – PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : Liquid : Slightly viscous liquid of a dark milky color
 Medium Gloss : Pale brown clear paste
 Medium Mat : Dark white paste
 Odor : Specific
 Specific Gravity (H2O = 1) : 1.03 (Liquid)~1.07 (Medium Mat)
 Melting Point : N/A
 Boiling Point : N/A
 pH : N/A
 Solubility in Water : ∞

Section 10 – HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable
 Stability : Stable under normal state
 Reactivity : None
 Incompatibility (Materials to Avoid) : None
 Hazardous Decomposition or Byproducts : None known
 Corrosive Behavior : No

Section 11 – TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, swallowing, ingestion
 Oral Toxicity (LD50): 5.1~6.5g/kg (Rat, reduced value)
 Effects of Acute Exposure : None known

Effects of Chronic Exposure : None known
 Skin irritation : None known
 Eye irritation : None known

Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity :
 No data available

Section 12 – ECOLOGICAL INFORMATION

No specific data is available for this product. However, do not release this product or any water contaminated with this product into drains, soils or waterways.

Section 13- DISPOSAL CONSIDERATIONS

Disposal Considerations : The product is suitable for processing at an appropriate government waste disposal facility.

Section 14- TRANSPORT INFORMATION

UN Proper Shipping Name : Non-regulated
UN-number : N/A
Transport Hazard Class : Non-regulated

Section 15- REGULATORY INFORMATION

Regulatory agencies and restrictions are minimal regarding conveyance or use of water-based products other than what has been specifically addressed.

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236.

Industrial Safety and Health Law : N/A
Fire Service Law : N/A
High Pressure Gas Safety Law : N/A
Pollutant Release and Transfer Register : N/A

Section 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.