



DUO Quick Drying- 1/3

## 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	<b>DUO Quick Drying Liquid</b>
DU 466, DU 566	<b>DUO Quick Drying Medium Gloss</b>
DU 467, DU 567	<b>DUO Quick Drying Medium Mat</b>

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  
 Preparer : ALAKI, Yutaka

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

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**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.

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**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.

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**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

Especially none

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**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 : ∞

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**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

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**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

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**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.

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**Section 13- DISPOSAL CONSIDERATIONS**

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

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**Section 14- TRANSPORT INFORMATION**

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

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**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

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**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.