



## 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

### § 1 - IDENTITY INFORMATION

Product Name (as used on label and list) DO 652, DO 502, DO 402  
**DUO Linseed Oil**  
 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 2014-7-29  
 Preparer ALAKI, Yutaka

### § 2- HAZARD IDENTIFICATION

Classification : Non-regulated (designated combustible liquid)  
 Hazard information : Especially none

### § 3. COMPOSITION / INGREDIENTS

Components (Specific Chemical Identity, Common Name(s))

Linseed Oil \*  $\begin{array}{c} \text{CH}_2\text{---OCOR} \\ | \\ \text{CH---OCOR} \\ | \\ \text{CH}_2\text{---OCOR} \end{array}$  CAS No. 8001-26-1  
 Polyoxyethylene Alkyl Ether (Surfactant) CAS No. 68131-40-8

\* : Vegetable drying oil (Triglyceride of Linolic, Linolenic, Oleic or Palmitic acid)

### § 4. FIRST AID MEASURES

Inhalation : This product is not inhaled.  
 Ingestion : Plenty amount of ingestion may induce diarrhea. If you feel unwell,  
 seek medical advice.  
 Eyes : In case of eye contact, rinse with plenty of water and consult an  
 eye specialist if necessary.  
 Skin Contact : Upon skin contact, wash with water, soap or other non-irritating  
 cleansing agents.

### § 5. FIRE AND EXPLOSION HAZARD DATA

Flammability : Combustible  
 Flash Point : 306 °C

Extinguishing Method : Take off fire or other flammable materials, and use with  
 extinguishing tools.

Extinguishing Media : Foam, Dry powder, CO<sub>2</sub>

Unusal Fire and Explosion Hazards : Oil dries by oxygen. Rags or waste soaked with oil may spontaneously catch fire if improperly discarded. Not exclusive.

## § 6. ACCIDENTAL RELEASE MEASURES

Step to Be Taken in Case Material Is Released or Spilled :

Prevention of Secondary Disaster : Take up with absorbent materials.  
 Personal Consideration : Take off fire or other flammable materials.  
 Environmental Precautions : Especially none  
 Prevent spills from entering storm sewers or drains (Drying oil may cause of clogging).

## § 7. HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storing :

Storage Requirements : Especially none  
 Keep from fire or flammable materials. Do not allow product temperature to rise high. Close the cap tightly.  
 Handling Procedures/Equipment : Treat as paint product.

## § 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Use mechanical ventilation when applying.  
 Personal Protection : Especially none

## § 9. PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : Clear yellow liquid  
 Odor : Oily smell  
 pH : N/A  
 Boilling Point : —  
 Specific Gravity (H<sub>2</sub>O = 1) : 0.930~0.933  
 Solubility in Water : Dispersible

## § 10. HAZARD INFORMATION AND STABILITY

Physical Dangers : Combustible  
 Stability : Stable under normal state  
 Reactivity : None  
 Byproducts : Carbon dioxide, water and dioxide of cobalt.  
 Hazardous Decomposition or Byproducts : Products small amount of peroxides or aldehydes while dry or under high temperature. In case of fire, forms carbon dioxide and water.  
 Incompatibility (Materials to Avoid) : None  
 Corrosive Behavior : None

## § 11. TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, swallowing  
 Oral Toxicity (LD<sub>50</sub>) : N/A  
 Inhalation Toxicity : This product is not inhaled.  
 Effects of Acute Exposure : None known  
 Eye irritation : Usually non irritant (tested on rabbit eyes).  
 Skin irritation : Usually non irritant. Allergic for some persons.  
 Repeated Exposure : No special data available  
 Sensitization, Reproductive Toxicity : No data available on product.  
 Mutagenicity, Carcinogenicity, Teratogenicity : No data available

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**§ 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 : Non-regulated  
UN number : N/A

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**§ 15. REGULATORY INFORMATION**

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236  
Industrial Safety and Health Law : Combustible oil  
Fire Service Law : Designated combustible liquid  
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.