



# SAFETY DATA SHEET

2019-2-28

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) : **Safflower Oil**      O 561

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 : Non-regulated (designated combustible liquid)  
 Danger : Combustible at high temperature. Mentioned about spontaneous  
 combustion when absorbed in wastes or rags.  
 Hazard information : Especially none

## § 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Single substance

Components	(Specific Chemical Identity, Common Name(s))	CAS No.
Safflower Oil	$  \begin{array}{c}  \text{CH}_2\text{—OCOR} \\    \\  \text{CH—OCOR} \\    \\  \text{CH}_2\text{—OCOR}  \end{array}  $	8001-23-8

Vegetable Drying Oil (Triglyceride of Linoleic acid, Linolenic acid Oleic acid or Palmitic acid)

## § 4 - FIRST AID MEASURES

General advice : Raw material is food.  
 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 : 318 °C  
 Extinguishing Method : Take off fire or other flammable materials, and use with  
                   extinguishing tools.  
 Extinguishing Media : Foam, Dry powder, CO<sub>2</sub>

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

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## § 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 : Especially none  
 Environmental Precautions : Prevent spills from entering storm sewers or drains (Drying oil may cause of clogging).

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## § 7 - HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storing : Especially none  
 Storage Requirements : 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.

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## § 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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

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## § 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : Clear yellow liquid  
 Odor : Oily smell  
 pH : N/A  
 Boiling Point : —  
 Specific Gravity (H<sub>2</sub>O = 1) : 0.92  
 Solubility in Water : Insoluble

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## § 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Combustible  
 Stability : Stable under normal state  
 Reactivity : None  
 Byproducts : Carbon dioxide, water  
 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

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## § 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). May irritant for some persons.  
 Skin irritation : Usually non irritant. Allergic for some persons.  
 Repeated Exposure : No special data available  
 Sensitization, Reproductive Toxicity, Mutagenicity, Carcinogenicity, Teratogenicity : No data available

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## § 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.

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### § 14 - TRANSPORT INFORMATION

UN Proper Shipping Name : N/A  
Hazard Class : Non-regulated  
UN Number : N/A  
Package Group : Out of Category

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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.