

**Product name:**  
 KALCOL 2470

# SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

**Product name:**

KALCOL 2470

**Product No.:** B0002262

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Not known.

**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

**Manufacturer**

Company Name:	Fatty Chemical (Malaysia) Sdn. Bhd.
Address:	2510, Lorong Perusahaan Satu, Prai Industrial Complex, 13600 Prai, Penang, MALAYSIA
Telephone:	+60-4-399-8500
Fax:	+60-4-390-3646
Contact division:	-
E-mail:	chemical@kao.co.jp

**Emergency telephone number:** +60-3-6207-4347

## 2. Hazard(s) identification

**GHS classification**

**Health Hazards**

Serious Eye Damage/Eye Irritation	Category 2A
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**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist	100 %
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**Environmental Hazards**

Acute hazards to the aquatic environment	Category 1
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Chronic hazards to the aquatic environment	Category 1
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**Unknown toxicity - Environment**

Acute hazards to the aquatic environment	0 %
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Chronic hazards to the aquatic environment	0 %
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## Label Elements

### Pictograms:



### Signal Word:

Warning

### Hazard Statement:

Causes serious eye irritation.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements

#### Prevention:

Wash thoroughly after handling. Avoid release to the environment.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention. IF ON SKIN:  
Wash with plenty of soap and water. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.

#### Storage:

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#### Disposal:

Passed to a licensed waste contractor.

Other hazards which do not result in GHS classification: None.

## 3. Composition/information on ingredients

### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
C12-16 醇 Alcohols, C12-16	-	68855-56-1	100%

## 4. First-aid measures

### Description of first aid measures

#### Inhalation:

Remove person to fresh air and keep comfortable for breathing.

#### Skin Contact:

Gently wash with plenty of soap and water.

#### Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical attention if symptoms persist.

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**Ingestion:** Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

**Personal Protection for First-aid Responders:** No data available.

**Most important symptoms and effects, both acute and delayed**

**Symptoms:** No data available.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Get medical attention if symptoms occur.

## 5. Fire-fighting measures

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Powder, alcohol-resistant foam, carbon dioxide, sand

**Unsuitable extinguishing media:** No data available.

**Special hazards arising from the substance or mixture:** No data available.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting procedures:** Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.

**Special protective equipment for fire-fighters:** Use goggles in combination with dust mask, and other protections as appropriate to situation.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.

**Accidental release measures:** Keep away from sources of ignition and prepare extinguishing media.

**Methods and material for containment and cleaning up:** Cool down to solid in case of melt(be careful of heat),and then sweep or vacuum spilled materials to drums or containers.

**Environmental Precautions:** Avoid release to the environment.

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## 7. Handling and storage

### Handling

<b>Technical measures:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Local/Total ventilation:</b>	Use an adequate ventilation.
<b>Safe handling advice:</b>	Keep away from source of ignition. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Keep container tightly closed. Store in a well-ventilated place. Keep away from source of ignition.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

<b>Engineering measures:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.
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### Individual protection measures, such as personal protective equipment

<b>Eye/face protection:</b>	Safety glasses
<b>Hand Protection:</b>	Material: Rubber gloves
<b>Skin and Body Protection:</b>	Full-body suit
<b>Respiratory Protection:</b>	Use as appropriate to situation.
<b>Hygiene measures:</b>	No data available.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	Solid
<b>Form:</b>	Solid(liquid in summer(over 20C))
<b>Color:</b>	White

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<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	21 - 24 °C/70 - 75 °F
<b>Boiling Point:</b>	270 °C/518 °F
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	140 °C/284 °F (Cleveland open cup)
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	17 mPa.s (30 °C/86 °F)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	Soluble in common organic solvents
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Density:</b>	0.8268 g/ml (30 °C/86 °F)
<b>Density vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

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## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

#### Oral

**Product:** No data available.  
Not classified based on available data of component(s).

#### Dermal

**Product:** No data available.  
Not classified based on available data of component(s).

#### Inhalation

**Product:** Dust and mist: Classification not possible due to insufficient data.  
Vapour: No data available.  
Not classified based on available data of component(s).

### Skin Corrosion/Irritation

**Product:** No data available.  
Not classified based on available data of component(s).

### Serious Eye Damage/Eye Irritation

**Product:** No data available.

#### Components:

C12-16 醇  
Alcohols, C12-16  
Category 2A: (88)

### Respiratory or Skin Sensitization

**Product:** Skin: No data available.  
Not classified based on available data of component(s).  
Respiratory: Classification not possible due to insufficient data.

### Carcinogenicity

**Product:** No data available.  
Not classified based on available data of component(s).

### Germ Cell Mutagenicity

#### In vitro

**Product:** No data available.  
Not classified based on available data of component(s).

#### In vivo

**Product:** No data available.  
Not classified based on available data of component(s).

### Reproductive toxicity

**Product:** No data available.  
Not classified based on available data of component(s).

### Specific Target Organ Toxicity - Single Exposure

**Product:** Classification not possible due to insufficient data.

### Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.  
Not classified based on available data of component(s).

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**Aspiration Hazard**

**Product:** No data available.

**Other effects:**

No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

C12-16 醇  
 Alcohols, C12-16  
 Category 1: (88)

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

C12-16 醇  
 Alcohols, C12-16  
 Category 1: (88)

**Persistence and Degradability:**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:**

No data available.

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**Other adverse effects:** No data available.

### 13. Disposal considerations

**Disposal methods:** Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor.

**Contaminated Packaging:** No data available.

### 14. Transport information

#### IATA

UN Number:	UN 3082
UN Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s.(Dodecanol)
Transport Hazard Class(es)	
Class:	9
Label(s):	9MI (Miscellaneous)
Packing Group:	III
Passenger and cargo aircraft :	964
Limited quantity	None.
Excepted quantity	E1
Environmental Hazards	
Environmentally Hazardous:	Yes
Marine Pollutant:	No
Special precautions for user:	None.
Passenger and cargo aircraft:	Allowed. 964
Cargo aircraft only :	Allowed. 964

#### IMDG

UN Number:	UN 3082
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Dodecanol)
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-F
Packing Group:	III
Limited quantity	5.00L
Excepted quantity	E1
Environmental Hazards	
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	None.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

**Domestic Standard:** In compliance with domestic law.

**Emergency Response Guide Number:** 171



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## 15. Regulatory information

### National regulatory information:

**Regulations on Occupational Safety and Health Facilities**

**Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.**

**Regulations on Labelling and Hazard Communication of Hazardous Chemicals**

**Rules on Road Traffic Safety**

### Inventory Status:

<b>US TSCA Inventory:</b>	On or in compliance with the inventory
<b>Canada DSL Inventory List:</b>	On or in compliance with the inventory
<b>Australia Industrial Chem. Act (AIC):</b>	On or in compliance with the inventory
<b>Korea Existing Chemicals Inv. (KECI):</b>	Contact us for information
<b>Japan (ENCS) List:</b>	On or in compliance with the inventory
<b>Japan ISHL Listing:</b>	On or in compliance with the inventory
<b>Philippines PICCS:</b>	On or in compliance with the inventory
<b>China Inv. Existing Chemical Substances:</b>	On or in compliance with the inventory
<b>REACH (EU):</b>	Registered
<b>Taiwan Chemical Substance Inventory:</b>	On or in compliance with the inventory

## 16. Other Information

**Issue Date:** 2022.03.08

**Revision Date:** 2025.02.12

**Version #:** 2.0

### Organization that prepared the SDS and SDS Author:

**SDS Author:** Kao (Taiwan) Corporation  
 10 F., No. 207, Sec 3, Pei-Hsin Rd., Hsin-Tien District, New Taipei City  
 23143, Taiwan R.O.C.  
 Chin chang, Wen (Director) TEL: 886-2-8665-1930

**Further Information:** No data available.

**References:** No data available.

**Revision Information:** Not relevant.

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**Reference:**

(88): ECHA-REACH Registered Substances Database