

# SAFETY DATA SHEET

## 1. Identification of the hazardous chemical and of the supplier

**Product identifier:** KALCOL 4098

**Other means of identification**

**Product No.:** B0002273

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

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

**Manufacturer/Importer/Distributor Information**

**Manufacturer**

Company Name: Pilipinas Kao Inc.  
Address: JASAAN MISAMIS ORIENTAL ECOZONE, 9003 Jasaan, Misamis Oriental, Philippines  
Telephone: +63-88-890-5020  
Fax: +63-88-890-5020 local 199  
Contact division: -  
E-mail: -

**Emergency telephone number:** +65-3158 1074(For chemical emergencies only)

## 2. Hazard(s) identification

**Hazard Classification**

**Health Hazards**

Serious Eye Damage/Eye Irritation Category 2A

**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist 100 %

**Environmental Hazards**

Chronic hazards to the aquatic environment Category 1

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

**GHS label elements**

**Hazard Symbol:**



**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 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. Collect spillage.

**Storage:** -

**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 (%)
Myristyl alcohol	-	112-72-1	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.

**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.

## 7. Handling and storage

### Handling

**Technical measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Local/Total ventilation:** Use an adequate ventilation.

**Safe handling advice:** Keep away from source of ignition. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.

**Contact avoidance measures:** No data available.

#### Storage

**Safe storage conditions:** Keep container tightly closed. Store in a well-ventilated place. Keep away from source of ignition.

**Safe packaging materials:** No data available.

### 8. Exposure controls/personal protection

#### Control Parameters

##### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### Appropriate Engineering Controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.

#### Individual protection measures, such as personal protective equipment

**General information:** No data available.

**Eye/face protection:** Safety glasses

**Hand Protection:** Rubber gloves

**Other:** Full-body suit

**Respiratory Protection:** Use as appropriate to situation.

**Hygiene measures:** No data available.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

##### Appearance

**Physical state:** Solid

**Form:** Solid

**Color:** White

**Odor:** Slight characteristic odor

**Odor Threshold:** No data available.

**Melting Point:** 37 - 40 °C/99 - 104 °F

**Boiling Point:** 296 °C/565 °F

**Flammability:** No data available.

**Upper/lower limit on flammability or explosive limits**

<b>Explosive limit - upper:</b>	4.2 %(V)
<b>Explosive limit - lower:</b>	0.5 %(V)
<b>Flash Point:</b>	156 °C/313 °F Method: Cleveland open cup
<b>Auto-ignition temperature:</b>	>100 °C/212 °F
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	16 mPa.s (40 °C/104 °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 density:</b>	No data available.
<b>Density:</b>	0.8226 g/ml (40 °C/104 °F)
<b>Vapor density (air=1):</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.
<b>Other information</b>	
<b>Heat of combustion:</b>	>= 34 kJ/g

## 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.

## 11. Toxicological information

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

#### Oral

**Product:** LD 50 (Rat, Female, Male): > 2,000 mg/kg Not classified (Data on equivalent product)  
Not classified based on available data.

#### 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:** OECD TG404 Rabbit, 4 h: Non irritant undiluted, (Data on equivalent product)  
Not classified based on available data.

### Serious Eye Damage/Eye Irritation

**Product:** OECD TG405 Rabbit: Moderate undiluted, (Data on equivalent product)

### Respiratory or Skin Sensitization

**Product:** Skin sensitization, GPMT Skin: (Guinea Pig): Negative (Data on equivalent product)  
Skin: Not classified based on available data.  
Respiratory: Classification not possible due to insufficient data.

### Carcinogenicity

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

### IARC:

No carcinogens present or none present in regulated quantities

### Germ Cell Mutagenicity

#### In vitro

**Product:** Ames test (TA98, TA100, TA1535, TA1537, TA1538): Negative (Data on equivalent product)  
Not classified based on available data.

#### In vivo

**Product:** Not classified based on available data.

### 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).

### Aspiration Hazard

**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

### Ecotoxicity:

#### Toxicity to Aquatic Plants

**Product:** No data available.

### Acute hazards to the aquatic environment:

#### Fish

**Product:** LC 50 (Rainbow Trout, 96 h): > 1 mg/l (OECD TG203) (The highest attainable test concentration), (Data on equivalent product)  
Not classified based on available data.

#### Aquatic Invertebrates

**Product:** Not classified based on available data.

### Chronic hazards to the aquatic environment:

#### Fish

**Product:** No data available.

#### Aquatic Invertebrates

**Product:** No data available.

#### Components:

Myristyl alcohol Category 1: (8)

### Persistence and Degradability:

#### Biodegradation

**Product:** 92 % (28 d, OECD TG301D) Readily biodegradable (Literature data on main component)

#### 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.

**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 3077
UN Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s.(Myristyl alcohol)
Transport Hazard Class(es)	
Class:	9
Label(s):	9MI (Miscellaneous)
Packing Group:	III
Passenger and cargo aircraft :	956
Limited quantity	None.
Excepted quantity	E1
Environmental Hazards	
Environmentally Hazardous:	Yes
Marine Pollutant:	No
Special precautions for user:	None.
Passenger and cargo aircraft:	Allowed. 956
Cargo aircraft only :	Allowed. 956

#### IMDG

UN Number:	UN 3077
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Myristyl alcohol)
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-F
Packing Group:	III
Limited quantity	5.00KG
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

Regulatory basis	IBC Code
Product name	Alcohols,(C14-C18),primary,linear and essentially linear
Pollution category	Y
Ship type	2

#### National Regulations



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

**Emergency Response Guide Number:** 171

## 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**Philippines. CCO chemicals (Chemical Control Orders, as published in Department of Environment and Natural Resources Order (DAO) No. 2021-08 and 2021-09)**  
Not Regulated

**Philippines. Controlled Precursors & Essential Chemicals (Comprehensive Dangerous Drugs Act of 2002 (Republic Act 9165), as amended thru Dangerous Drugs Board Regulations)**  
Not Regulated

**Philippines. Ozone Depleting Substances (ODS) (Chemical Control Order, DENR Admin. Order No. 2013-25, as amended)**  
Not Regulated

**Philippines. Priority Chemical List (PCL) (DENR Administrative Order)**  
Not Regulated

**Philippines. Narcotic and Psychotropic Substances (Comprehensive Dangerous Drugs Act of 2002 (Republic Act 9165), as amended)**  
Not Regulated

**Philippines. Hazardous Wastes (DENR Administrative Order 2013-22 Revised Procedures and Standards for the Management of Hazardous Wastes, Table 2.1)**  
Not Regulated

**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 AICS:</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, including date of preparation or last revision

**Issue Date:** 09.04.2021

**Revision Date** 10.07.2024

**Version #:** 3.0

**Further Information:**

No data available.

**Disclaimer:**

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**Reference:**

(8): OECD SIDS