

**Safety data sheet**  
According to GHS 3rd Revision, Annex IV

Printing date 24.04.2018

Revision: 23.04.2018

**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name:** KORTACID 1499
- **Description:** Myristic Acid / Tetradecanoic Acid 99% min.
- **CAS Number:**  
544-63-8
- **EC number:**  
208-875-2
- **REACH Reg. No:** Exempted Under ANNEX V
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Pacific Oleochemicals Sdn Bhd (64175-U)  
PLO 285 Jalan Pekeliling Timur,  
PO Box 143, 81707 Pasir Gudang  
Johor Darul Takzim,  
Malaysia.  
Tel. No: +607 251 8000  
Fax. No: +607 251 1066
- **Further information obtainable from:** poc@pacificoleo.com
- **Emergency telephone number:** During normal opening times: +60-7-251 8000

**2 Hazards identification**

- **Classification of the substance or mixture**  
The substance is not classified according to the Globally Harmonised System (GHS).

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- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Chemical characterisation:** Substances
- **CAS No. Description**  
544-63-8 Myristic Acid
- **Identification number(s)**
- **EC number:** 208-875-2

**4 First aid measures**

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Generally the product does not irritate the skin.  
Immediately wash with water and soap and rinse thoroughly.

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Dispose of the material collected according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Keep away from heat and direct sunlight.  
Store in cool, dry place in tightly closed receptacles.  
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Protect from heat and direct sunlight.

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· **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:** Not required.

· **DNELs**

Dermal	DNEL	10 mg/kg bw/day (WORKERS)
Inhalative	DNEL	17.632 mg/m <sup>3</sup> (WORKERS)

· **PNECs**

Water - Fresh Water	0.031 mg/L
Water - Marine Water	0.0031 mg/L
Sediment-Fresh water	1.67 mg/kg
Sediment-Marine Water	0.167 mg/kg
STP	912 mg/L

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.

Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Nitrile rubber, NBR

Chloroprene rubber, CR

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Solid

Colour: White

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

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· <b>Change in condition</b>	
Melting point/freezing point:	52-54 °C
Initial boiling point and boiling range:	326.2 °C
· <b>Flash point:</b>	>200 °C (PMCC)
· <b>Flammability (solid, gas):</b>	Product is not flammable.
· <b>Ignition temperature:</b>	>250 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	>250 °C
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Vapour pressure at 25 °C:</b>	0.00018 hPa
· <b>Density at 20 °C:</b>	0.8622 g/cm <sup>3</sup>
· <b>Relative density at 54 °C</b>	0.8622
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water at 20 °C:</b>	0.00013 g/l
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable at environment temperature
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with oxidizing agents
- **Conditions to avoid** See Section 7 for information on safe handling
- **Incompatible materials:** See Section 7 for information on safe handling
- **Hazardous decomposition products:**  
Irritant gases/vapours  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

### · Information on toxicological effects

#### · Acute toxicity

Oral	LD50	>10,000 mg/kg bw/day
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- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The substance is not subject to classification according to the latest version of the EU lists.

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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** Readily biodegradable
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |   |                   |
|---|-------------------|
| · <b>UN-Number</b>  |                   |
| · <b>ADR, ADN, IMDG, IATA</b>   | not regulated     |
| · <b>UN proper shipping name</b>  |                   |
| · <b>ADR, ADN, IMDG, IATA</b>   | not regulated     |
| · <b>Transport hazard class(es)</b>   |                   |
| · <b>ADR, ADN, IMDG, IATA</b>   |                   |
| · <b>Class</b>  | not regulated     |
| · <b>Packing group</b>  |                   |
| · <b>ADR, IMDG, IATA</b>  | not regulated     |
| · <b>Environmental hazards:</b>   | Not applicable.   |
| · <b>Special precautions for user</b>                                       | Not applicable.   |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.   |
| · <b>Product name:</b>  | Fatty Acids, C14+ |
| · <b>Pollution category:</b>  | Y                 |
| · <b>Ship type:</b>   | 2                 |
| · <b>UN "Model Regulation":</b>   | not regulated     |

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### 15 Regulatory information

- *Safety, health and environmental regulations/legislation specific for the substance or mixture*
- *GHS label elements* Void
- *Hazard pictograms* Void
- *Signal word* Void
- *Hazard statements* Void
- *Directive 2012/18/EU*
- *Named dangerous substances - ANNEX I* Substance is not listed.
- *National regulations:*
- *Other regulations, limitations and prohibitive regulations*  
Positive Country Substance Listing  
USA (TSCA), Canada (DSL), Europe (EINECS), Japan (ENCS), Australia (AICS), Korea (ECL), China (IECSC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (CSNN)
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing SDS:** Product safety department.
- **Contact:** poc@pacificoleo.com
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative
- **\* Data compared to the previous version altered.**  
Revision 2 (23.04.2018)  
Update Section 1 and Section 3

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