

Safety data sheet
According to REACH-Regulation 1907/2006/EU and GHS

Printing date 21.12.2021

Revision: 21.12.2021

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

- **Product identifier**
- **Trade name:** **KORTACID 0899**
- **Description:** Caprylic Acid/ Octanoic Acid 99% min
- **CAS Number:**
124-07-2
- **EC number:**
204-677-5
- **REACH Reg. No:** 01-2119552491-41-0015
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Biocide
Fragrance
Food additives
Fertiliser
Pharmaceutical intermediate
Dyestuff/Colouring agent
Lubricant
- **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:** +607 2518000

2 Hazards identification

- **Classification of the substance or mixture**



corrosion

Skin Corr. 1C H314 Causes severe skin burns and eye damage.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
- **GHS label elements**
The substance is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS05

- **Signal word** Danger

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- **Hazard statements**

H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

P303+P361+P353 **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 **Immediately call a POISON CENTER/doctor.**
P321 **Specific treatment (see on this label).**
P405 **Store locked up.**
P501 **Dispose of contents/container in accordance with local/regional/national/international regulations.**

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** No

- **vPvB:** No

3 Composition/information on ingredients

- **Chemical characterisation: Substances**

- **CAS No. Description**

124-07-2 Caprylic Acid

- **Identification number(s)**

- **EC number:** 204-677-5

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:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:** 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:**

Foam

ABC powder

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **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.

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Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation
 - 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.
 - Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - 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**
 - Open and handle receptacle with care.
 - Keep away from heat and direct sunlight.
 - Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:**
 - Keep respiratory protective device available.
 - Keep ignition sources away - Do not smoke.
- **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 humidity and water.
- **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:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:** Suitable respiratory protective device recommended.

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· **Protection of hands:**

Protective gloves

Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.
Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.

· **Material of gloves**

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:	Liquid
Colour:	Yellowish White
Odour:	Pungent
Odour threshold:	Not determined.

· **pH-value:** Not applicable.· **Change in condition**

Melting point/freezing point:	Ca 16.5 °C
Initial boiling point and boiling range:	237 °C

· **Flash point:** 130-135.6 °C· **Flammability (solid, gas):** The substance is combustible when exposed to heat or flame· **Ignition temperature:** >300 °C· **Decomposition temperature:** Not determined.· **Explosive properties:** Product does not present an explosion hazard.· **Vapour pressure at 25 °C:** 0.0049 hPa· **Density at 20 °C:** 0.91 g/cm³ (OECD 109)· **Relative density** Not determined.· **Vapour density** Not determined.· **Evaporation rate** Not determined.· **Solubility in / Miscibility with water at 20 °C:** 0.68 g/l· **Partition coefficient: n-octanol/water:** 3.05 log POW· **Viscosity:**

Dynamic at 20 °C:	6 mPas
Kinematic at 20 °C:	6.6 mm ² /s

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· **Other information** 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	>5,000 mg/kg bw/day
Dermal	LD50	>2,000 mg/kg bw/day

- **Primary irritant effect:**
- **Skin corrosion/irritation** Caustic effect on skin and mucous membranes.
- **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitisation** No data available
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** No data available

· **Reproductive toxicity**

Oral	NOAEL (fertility)	>1,000 mg/kg bw/d (OECD 422 CAS112-85-6)
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12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

EC50(72h) (static)	43.73mg/L (pseudokirchnerella subcapitata) (OECD 201)
EC50 (48h)	>21 mg/L (daphnia magna) (OECD 202)
LC50 (96h)	22 mg/L (Lepomis macrochirus)

- **Persistence and degradability** Readily biodegradable
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** Does not accumulate in organisms
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
 - Do not allow product to reach ground water, water course or sewage system.
 - Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** No
- **vPvB:** No

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· **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

· UN-Number · ADR, IMDG, IATA	UN3265
· UN proper shipping name · ADR · IMDG, IATA	3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Caprylic Acid) CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Caprylic Acid)
· Transport hazard class(es) · ADR, IMDG, IATA	
	
· Class · Label	8 Corrosive substances. 8
· Packing group · ADR, IMDG, IATA	III
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Segregation groups · Stowage Category · Stowage Code	Warning: Corrosive substances. 80 F-A,S-B Acids A SW2 Clear of living quarters.
· Transport in bulk according to Annex II of Marpol and the IBC Code · Product name: · Pollution category: · Ship type:	Not applicable. Octanoic Acid Y 2
· UN "Model Regulation":	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CAPRYLIC ACID), 8, III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **GHS label elements**
The substance is classified and labelled according to the Globally Harmonised System (GHS).

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· **Hazard pictograms**

GHS05

· **Signal word** *Danger*· **Hazard statements***H314 Causes severe skin burns and eye damage.**H412 Harmful to aquatic life with long lasting effects.*· **Precautionary statements***P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P310 Immediately call a POISON CENTER/doctor.**P321 Specific treatment (see on this label).**P405 Store locked up.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*· **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

· **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**CAS: Chemical Abstracts Service (division of the American Chemical Society)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Skin Corr. 1C: Skin corrosion/irritation – Category 1C**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*· *** Data compared to the previous version altered.***Revision 5(21.12.21)**Review in section I*