

Product name:  
LUNAC L-98

# SAFETY DATA SHEET

## 1. Product and company identification

Name of chemical (Product name): LUNAC L-98

Product No.: B0002446

### Manufacturer/Importer/Distributor Information

#### Information on domestic manufacturer

Company Name: Kao Corporation  
Address: 1-3, Bunka 2-chome, Sumida-ku, Tokyo 131-8501 Japan  
Telephone: +81-3-5630-7700  
Fax: +81-3-5630-7889  
Division: Chemical Business  
E-mail: chemical@kao.co.jp

Emergency telephone number: 81-3-5630-7700

## 2. Hazard(s) identification

### GHS classification:

#### Health Hazards

Serious Eye Damage/Eye Irritation Category 2A

#### Environmental Hazards

Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 3

### GHS label elements

#### Pictograms:



Signal Word: Warning

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- Hazard Statement:** Causes serious eye irritation.  
 Toxic to aquatic life.  
 Harmful to aquatic life with long lasting effects.
- Prevention:** Avoid release to the environment. Wash thoroughly after handling. Wear eye protection/face protection. This product may be melted or solidified according to the storage conditions or after the long time storage. Please do not transport or store under high temperature condition.
- 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 or doctor if you feel unwell.
- Storage:** -
- Disposal:** Passed to a licensed waste contractor.

**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist 100 %

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

**3. Composition/information on ingredients**

**Substances**

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Lauric acid	143-07-7	(2)-608	(2)-608	

**4. First-aid measures**

**Description of necessary 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.

## 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.

**Specific hazards arising from the chemical:** No data available.

### Special protective equipment and precautions for firefighters

**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.

**Methods and material for containment and cleaning up:** Sweep or vacuum spills to drums or containers.

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

**Prevention of secondary hazards:** Keep away from sources of ignition and prepare extinguishing media.

## 7. Handling and storage

### Handling

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- Technical measures (e.g. Local and general ventilation):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.
- Safe handling advice:** Keep away from source of ignition. This product may be melted or solidified according to the storage conditions or after the long time storage. Please do not transport or store under high temperature condition. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Avoid contact with bases.
- Contact avoidance measures:** No data available.
- Hygiene measures:** No data available.

### Storage

- Safe storage conditions:** Keep container tightly closed. Store in a well-ventilated place. Keep away from source of ignition. Do not store with alkalies.
- Safe packaging materials:** No data available.
- Storage Temperature:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

**Product:** None known.

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

- Eye/face protection:** Safety glasses
- Hand Protection:** Material: Rubber gloves
- Skin and Body Protection:** 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 or granules
- Color:** White
- Odor:** Fatty acid odor

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<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	< 212 °F/100 °C
<b>Boiling Point:</b>	572 °F/300 °C
<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>	329 °F/165 °C (Cleveland open cup)
<b>Self 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>	No data available.
<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 ethanol and ether Soluble in chloroform
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	13,000 Pa (331 °F/166 °C)
<b>Relative density:</b>	No data available.
<b>Density:</b>	0.8695 g/ml (122 °F/50 °C) 0.8561 g/ml (158 °F/70 °C)
<b>Relative 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.
<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>	Reacts exothermically with bases, and produces salts. Has no self-reactivity.
<b>Conditions to avoid:</b>	Avoid contact with strong bases.
<b>Incompatible Materials:</b>	Do not use cupric material.
<b>Hazardous Decomposition Products:</b>	No special hazardous and harmful combustion or decomposition.

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## 11. Toxicological information

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

#### Oral

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

#### Dermal

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

#### Inhalation

**Product:** Dusts, mists and fumes: 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): Not classified undiluted  
Not classified based on available data.

### Serious Eye Damage/Eye Irritation

**Product:** OECD TG405 (Rabbit): Moderate undiluted

### 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).

#### IARC:

No carcinogenic components identified

#### NTP:

No carcinogenic components identified

#### JSOH:

No carcinogenic components identified

#### EU

No carcinogenic components identified

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### Germ Cell Mutagenicity

**In vitro**  
Product: Ames test (TA98, TA100): Negative  
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:

#### 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:**  
Lauric acid Category 2 (12)

#### Chronic hazards to the aquatic environment

**Fish**  
Product: No data available.

**Aquatic Invertebrates**  
Product: No data available.

#### Toxicity to Aquatic Plants

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**Product:** No data available.

**Components:**  
Lauric acid Category 3 (12)

#### 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.

**Hazardous to the ozone layer:** No data available.

**Further Information:** 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

#### International regulations

**IMDG**  
Not regulated.

**IATA**  
Not regulated.

#### National Regulations

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

### 15. Regulatory information

Law concerning Pollutant Release and Transfer Register

SDS JP-B0002446-A



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Not Regulated

**Industrial Safety and Health Law**  
Not Regulated

**Poisonous and Deleterious Substances Control Act**  
Not Regulated

**Explosives Control Act:**  
Not Regulated

**High Pressure Gas Safety Act:**  
Not Regulated

**Fire Service Act:**  
Designated combustible materials: Combustible solids (3,000 kg)

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.**  
Not Regulated

**Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:**  
Not Regulated

**Air Law, Enforcement Rule:**  
Not Regulated

**Act on Prevention of Marine Pollution and Maritime Disaster:**  
Category: X

**Export Trade Control Order:**  
Not Regulated

**Inventory Status:**

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

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## 16. Other Information

**Disclaimer:**

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

**Reference:**

- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- International Chemical Safety Cards (ICSC) (Compiler's Guide) (1994)
- GHS guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association
- (12): Results of Eco-toxicity tests of chemicals conducted by Ministry of the Environment in Japan