

# SAFETY DATA SHEET

## 1. Product and company identification

**Name of chemical (Product name):** LUNAC L-70

**Product No.:** B0002444

**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
Contact division:	Chemical Business
E-mail:	chemical@kao.co.jp

**Intended Use:** Feed materials, Intermediates

**Restrictions on use:** Please refer to Sec.2, 4, 7, 8, 10 and 13.

**Emergency telephone number:** 81-3-5630-7700

## 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 2
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Chronic hazards to the aquatic environment	Category 3
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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.  
 Toxic to aquatic life.  
 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**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.

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

**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 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:** No data available.

**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.

**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.

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

## 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. 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.
<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. Do not store with alkalies.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

<b>Product:</b>	None known.
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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
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<b>Form:</b>	Solid
<b>Color:</b>	White
<b>Odor:</b>	Fatty acid odor
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	<40 °C/104 °F
<b>Boiling Point:</b>	No data available.
<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>	167 °C/333 °F (Cleveland open cup)
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	No data available.
<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>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	No data available.
<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

<b>10. Stability and reactivity</b>
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<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	Reacts with base. 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.

<b>11. Toxicological information</b>
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**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:**  
 Lauric acid Category 2A: (99)

**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

**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).

**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: (88)

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**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:** Not Regulated

**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.

**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.

**15. Regulatory information**

**Industrial Safety and Health Law**

**Chemical substances that cause skin disorders, etc.:**  
 Decanoic acid



**Specified Substances Regulation**

**Class 1 designated chemical substances:**

Not Regulated

**Class 2 designated chemical substances:**

Not Regulated

**Class 3 designated chemical substances:**

Not Regulated

**Ordinance on Prevention of Lead Poisoning:**

Not Regulated

**Ordinance on Prevention of Tetraalkyl Lead Poisoning:**

Not Regulated

**Notifiable substances (wt% is sometimes described by range because it's CBI.):**

Decanoic acid (From April 1st, 2025) 10 - 20%

**Labeling substances:**

Decanoic acid (From April 1st, 2025)

**Confirmed mutagens among the notified chemical substances:**

Not Regulated

**Confirmed mutagens among the existing chemical substances:**

Not Regulated

**Confirmed carcinogenic chemical substances:**

Not Regulated

**Poisonous and Deleterious Substances Control Act**

Not Regulated

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.**

Not Regulated

**Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof**

Not Regulated

**Fire Service Act:**

Designated combustible materials: Combustible solids (3,000 kg)

**Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:**

Not Regulated

**Air Law, Enforcement Rule:**

Not Regulated

**Explosives Control Act:**

Not Regulated

**High Pressure Gas Safety Act:**

Not Regulated

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

Category: X

**Export Trade Control Order:**

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 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

<b>16. Other Information</b>
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**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.

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**Version #:** 3.0

**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
- (99): Internal study data