

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): LUNAC 8-98

Product No.: B0002434

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:

Physical Hazards

Corrosive to metal Category 1

Health Hazards

Skin Corrosion/Irritation Category 1

Serious Eye Damage/Eye Irritation Category 1

Environmental Hazards

Acute hazards to the aquatic environment Category 3

GHS label elements

Pictograms:



Signal Word: Danger

- Hazard Statement:** May be corrosive to metals.
 Causes severe skin burns and eye damage.
 Harmful to aquatic life.
- Prevention:** Keep only in original packaging. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. This product may form partially precipitate according to the storage condition. In that case, please warm-up for melting, then use as homogeneous liquid.
- Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Immediately call a POISON CENTER/doctor. Absorb spillage to prevent material damage.
- Storage:** Store locked up. Store in a corrosion-resistant container with a resistant inner liner.
- 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 (%)
Caprylic acid	124-07-2	Yes	Yes	

4. First-aid measures

Description of necessary first-aid measures

- Inhalation:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
- Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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: Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth. Large spills: Dike spills and dispose of in safe area.

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

Technical measures (e.g. Local and general ventilation):	Iron is apt to rust. Plant equipment should be treated with rust-resist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Safe handling advice:	Keep away from source of ignition. Avoid contact with skin and eyes. Do not inhale gases, vapors, aerosols, fume or mist. Do not breathe dust/fume/gas/mist/vapors/spray. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. This product may form partially precipitate according to the storage condition. In that case, please warm-up for melting, then use as homogeneous liquid. Avoid contact with bases.
Contact avoidance measures:	No data available.
Hygiene measures:	No data available.
Storage	
Safe storage conditions:	Store locked up. Keep away from source of ignition. Store in a corrosion-resistant container with a resistant inner liner. Keep container tightly closed. Store in a well-ventilated place. 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

None known.

Individual protection measures, such as personal protective equipment

Eye/face protection:	Safety goggles or Face shield
Hand Protection:	Material: Gloves (acid-resistant)
Skin and Body Protection:	Full-body suit Acid-resistant protective clothing
Respiratory Protection:	Use chemical cartridge respirator for acids, as appropriate to situation.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Liquid(solid in winter(under 20C))
Color:	Pale yellow

Odor:	Fatty acid odor
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	< 68 °F/20 °C
Boiling Point:	No data available.
Flash Point:	271 °F/133 °C (Cleveland open cup)
Evaporation Rate:	No data available.
Flammability:	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility in Water:	Insoluble in water
Solubility (other):	Soluble in ether Soluble in chloroform and ethanol
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	> 212 °F/100 °C
Decomposition Temperature:	No data available.
Kinematic viscosity:	No data available.
Dynamic viscosity:	No data available.
Particle properties:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	No data available.
Possibility of hazardous reactions:	Has no self-reactivity. Reacts with base.
Conditions to avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

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: 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: No data available.

Components:

Caprylic acid Category 1: (3)

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Caprylic acid Category 1: (3)

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

ACGIH:

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: Classification not possible due to insufficient data.

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:

Caprylic acid Category 3: (88)

Chronic hazards to the aquatic environment

Fish

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

Aquatic Invertebrates

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

Toxicity to Aquatic Plants

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

UN Number:	UN 3265
UN Proper Shipping Name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Caprylic acid)
Transport Hazard Class(es)	
Class:	8
Label(s):	8
EmS No.:	F-A, S-B
Packing Group:	III
Limited quantity	5.00L
Excepted quantity	E1
Environmentally Hazardous:	No
Marine Pollutant:	No
Special precautions for user:	Not regulated.

IATA

UN Number:	UN 3265
UN Proper Shipping Name:	Corrosive liquid, acidic, organic, n.o.s. (Caprylic acid)
Transport Hazard Class(es):	
Class:	8
Label(s):	8
Packing Group:	III
Excepted quantity	E1
Environmentally Hazardous:	No
Marine Pollutant:	No
Special precautions for user:	Not regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 852
Cargo aircraft only:	Allowed. 856
UN Proper Shipping Name (JP):	CORROSIVE LIQUID, ACIDIC, ORGANIC, N. O. S. (Caprylic acid)

National Regulations

Domestic Standard: In compliance with domestic law.

Emergency Response Guide Number153

15. Regulatory information

Law concerning Pollutant Release and Transfer Register

Not Regulated

Industrial Safety and Health Law

Corrosive substances

Poisonous and Deleterious Substances Control Act

Not Regulated

Explosives Control Act:

Not Regulated

High Pressure Gas Safety Act:

Not Regulated

Fire Service Act:

Group 4: Flammable liquids, Type 3 petroleums, Water insoluble liquid, Designated Quantity (2000 litre)
 III: Hazardous rank III

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:

Corrosive substances

Air Law, Enforcement Rule:

Corrosive substances

Act on Prevention of Marine Pollution and Maritime Disaster:

Category: Y

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):	Contact us for information
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

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
- (3): IUCLID
- (88): ECHA-REACH Registered Substances Database