

Product name:
 LUNAC 8-98(E)

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

Product name:
 LUNAC 8-98(E)

Product No.: B0002435

Recommended use of the chemical and restrictions on use

Recommended use: Not known.
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

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 |

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 1C |
|---------------------------|-------------|

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|-----------------------------------|------------|
| Serious Eye Damage/Eye Irritation | Category 1 |
|-----------------------------------|------------|

Unknown toxicity - Health

| | |
|--|-------|
| Acute toxicity, inhalation, dust or mist | 100 % |
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Environmental Hazards

| | |
|--|------------|
| Acute hazards to the aquatic environment | Category 3 |
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|--|------------|
| Chronic hazards to the aquatic environment | Category 3 |
|--|------------|

Unknown toxicity - Environment

| | |
|--|-----|
| Acute hazards to the aquatic environment | 0 % |
|--|-----|

| | |
|--|-----|
| Chronic hazards to the aquatic environment | 0 % |
|--|-----|

Product name:
 LUNAC 8-98(E)

Label Elements

Pictograms:



Signal Word:

Danger

Hazard Statement:

May be corrosive to metals.
 Causes severe skin burns and eye damage.
 Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

Keep only in original packaging. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid release to the environment. Wash thoroughly after handling. 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]. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor. Absorb spillage to prevent material damage.

Storage:

Store in corrosive resistant container with a resistant inner liner. Store locked up.

Disposal:

Passed to a licensed waste contractor.

Other hazards which do not result in GHS classification:

None.

3. Composition/information on ingredients

Substances

| Chemical Identity | Common name and synonyms | CAS number | Content in percent (%) |
|---------------------|--------------------------|------------|------------------------|
| 辛酸 Caprylic acid | - | 124-07-2 | |

Product name:
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4. First-aid measures

Description of first aid measures

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| 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. |
| 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. |
| Personal Protection for First-aid Responders: | No data available. |

Most important symptoms and effects, both acute and delayed

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| Symptoms: | No data available. |
| Hazards: | No data available. |

Indication of immediate medical attention and special treatment needed

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| Treatment: | Get medical attention if symptoms occur. |
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

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| 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

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| 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

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| Personal precautions, protective equipment and emergency procedures: | Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation. |
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| Accidental release measures: | Keep away from sources of ignition and prepare extinguishing media. |
| 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. If necessary, after dilution with water, cautiously neutralize with slaked lime or soda ash, and sweep or vacuum spills to containers, then flush with plenty of water. |
| Environmental Precautions: | Avoid release to the environment. |

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| 7. Handling and storage |
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Handling

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| Technical measures: | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Iron is apt to rust. Plant equipment should be treated with rust-resist. |
| Local/Total ventilation: | Use an adequate ventilation. |
| Safe handling advice: | Keep away from source of ignition. Avoid contact with skin and eyes. This product may form partially precipitate according to the storage condition. In that case, please warm-up for melting, then use as homogeneous liquid. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with bases. |
| Contact avoidance measures: | No data available. |

Storage

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| Safe storage conditions: | Keep container tightly closed. Store in a well-ventilated place. Store in corrosive resistant container with a resistant inner liner. Store locked up. Keep away from source of ignition. Do not store with alkalies. |
| Safe packaging materials: | No data available. |

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| 8. Exposure controls/personal protection |
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Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

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| Engineering measures: | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation. Iron is apt to rust. Plant equipment should be treated with rust-resist. |
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Individual protection measures, such as personal protective equipment

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| Eye/face protection: | Safety goggles or Face shield |
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| Hand Protection: | Material: Gloves (acid-resistant) |
| Skin and Body Protection: | Acid-resistant protective clothing |
| Respiratory Protection: | Use chemical cartridge respirator for acids, as appropriate to situation. |
| Hygiene measures: | No data available. |

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

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| Physical state: | Liquid |
| Form: | Liquid(solid in winter(under 20C)) |
| Color: | Pale yellow |
| Odor: | Fatty acid odor |
| Odor Threshold: | No data available. |
| Freezing point: | < 20 °C/68 °F |
| Boiling Point: | No data available. |
| Flammability: | No data available. |
| Upper/lower limit on flammability or explosive limits | |
| Explosive limit - upper: | No data available. |
| Explosive limit - lower: | No data available. |
| Flash Point: | 133 °C/271 °F (Cleveland open cup) |
| Auto-ignition temperature: | > 100 °C/212 °F |
| Decomposition Temperature: | No data available. |
| pH: | No data available. |

Viscosity

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| Dynamic viscosity: | No data available. |
| Kinematic viscosity: | No data available. |
| Flow Time: | No data available. |

Solubility(ies)

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| Solubility in Water: | Insoluble in water |
| Solubility (other): | Soluble in chloroform and ethanol Soluble in ether |
| Partition coefficient (n-octanol/water): | No data available. |
| Vapor pressure: | No data available. |
| Relative density: | No data available. |
| Density: | No data available. |
| Relative vapor density: | No data available. |

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Particle characteristics

Particle Size: No data available.
Particle Size Distribution: No data available.

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| 10. Stability and reactivity |
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Reactivity: No data available.
Chemical Stability: No data available.
Possibility of hazardous reactions: Has no self-reactivity. Reacts with base.
Conditions to avoid: Avoid contact with strong bases.
Incompatible Materials: Do not use cupric material.
Hazardous Decomposition Products: No special hazardous and harmful combustion or decomposition.

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| 11. Toxicological information |
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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.

Components:
 辛酸
 Caprylic acid
 Category 1C: (87)

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:
 辛酸
 Caprylic acid
 Category 1: (21)

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.

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Carcinogenicity

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

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:
 辛酸 Category 3 (88)
 Caprylic acid

Chronic hazards to the aquatic environment

Fish Product: No data available.

Aquatic Invertebrates Product: No data available.

Product name:
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Components:

辛酸 Category 3 (87)
Caprylic acid

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.

Other adverse effects:

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

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
Passenger and cargo aircraft : 852
Limited quantity: None.
Excepted quantity: E1
Environmental Hazards
Environmentally Hazardous: No
Marine Pollutant: No
Special precautions for user: None.
Passenger and cargo aircraft: Allowed. 852
Cargo aircraft only : Allowed. 856

IMDG

UN Number: UN 3265
UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(Caprylic acid)
Transport Hazard Class(es)

Product name:
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| | |
|-------------------------------|----------|
| Class: | 8 |
| Label(s): | 8 |
| EmS No.: | F-A, S-B |
| Packing Group: | III |
| Limited quantity | 5.00L |
| Excepted quantity | E1 |
| Environmental Hazards | |
| Environmentally Hazardous: | No |
| Marine Pollutant: | No |
| Special precautions for user: | None. |

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.

Emergency Response Guide Number: 153

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| 15. Regulatory information |
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National regulatory information:

Regulations on Occupational Safety and Health Facilities

Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.

Regulations on Labelling and Hazard Communication of Hazardous Chemicals

Rules on Road Traffic Safety

Inventory Status:

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|---|--|
| 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 |
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| Version #: | 1.0 |
| Revision Date: | - |
| Issue Date: | 2023.09.22 |

Product name:
LUNAC 8-98(E)

Organization that prepared the SDS and SDS Author:

SDS Author: Kao (Taiwan) Corporation
10 F., No. 207, Sec 3, Pei-Hsin Rd., Hsin-Tien District, New Taipei City
23143, Taiwan R.O.C.
Chin chang, Wen (Director) TEL: 886-2-8665-1930

Further Information: No data available.

References: No data available.

Revision Information Not relevant.

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:
(21): Estimation
(87): EU CLP Regulation Annex VI
(88): ECHA-REACH Registered Substances Database