

SAFETY DATA SHEET

[1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : LUNAC L-70
SUPPLIER : Kao Corporation
ADDRESS : 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan
DIVISION : Global Chemical Business
TELEPHONE NUMBER : 81-3-5630-7700
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EMERGENCY TELEPHONE NUMBER : 81-3-5630-7700
RECOMMENDED USE AND RESTRICTIONS ON USE :

[2.HAZARDS IDENTIFICATION]

GHS CLASSIFICATION

PHYSICAL AND CHEMICAL HAZARDS : Not classified

HEALTH HAZARDS

ACUTE TOXICITY (Oral) : Not classified
ACUTE TOXICITY (Dermal) : Not classified
ACUTE TOXICITY (Inhalation) : Not applicable(Vapours)
SKIN CORROSION / IRRITATION : Not classified
SERIOUS EYE DAMAGE / EYE IRRITATION : Category 2A
RESPIRATORY SENSITIZATION : Classification not possible
SKIN SENSITIZATION : Not classified
GERM CELL MUTAGENICITY : Not classified
CARCINOGENICITY : Not classified
REPRODUCTIVE TOXICITY : Not classified
SPECIFIC TARGET ORGAN TOXICITY
 - SINGLE EXPOSURE : Classification not possible
 - REPEATED EXPOSURE : Not classified
ASPIRATION HAZARD : Classification not possible

ENVIRONMENTAL HAZARDS

HAZARDOUS TO THE AQUATIC ENVIRONMENT

- ACUTE HAZARD : Category 2
 - LONG-TERM HAZARD : Category 3
 - HAZARDOUS TO THE OZONE LAYER : Classification not possible

GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS



SIGNAL WORD : Warning
HAZARD STATEMENTS : 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.

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: Gently wash with plenty of water and soap. Call a POISON CENTER or doctor if you feel unwell.
STORAGE	:	
DISPOSAL	:	Passed to a licensed waste contractor.
SAFE HANDLING ADVICE	:	Refer to SDS. 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.

[3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE	:	Substance
INGREDIENTS AND CONCENTRATION RANGE	:	Lauric acid
CAS RN	:	143-07-7

[4.FIRST-AID MEASURES]

IN CASE OF INHALATION	:	Remove person to fresh air and keep comfortable for breathing.
IN CASE OF SKIN CONTACT	:	Gently wash with plenty of soap and water.
IN CASE OF EYE CONTACT	:	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.
IN CASE OF INGESTION	:	Call a POISON CENTER or doctor if you feel unwell.

[5.FIRE-FIGHTING MEASURES]

EXTINGUISHING MEDIA	:	Powder, alcohol-resistant foam, carbon dioxide, sand
NOT SUITABLE EXTINGUISHING MEDIA	:	No information available
SPECIFIC HAZARDS	:	No information available
SPECIFIC METHODS	:	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.
PROTECTION OF 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 PROCEDURE	:	Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS	:	Avoid release to the environment.
METHODS FOR 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.
PREVENTION OF SECONDARY HAZARDS	:	Keep away from sources of ignition and prepare extinguishing media.

[7.HANDLING AND STORAGE]

HANDLING	:	
TECHNICAL MEASURES	:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
PRECAUTIONS	:	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.

SAFE HANDLING ADVICE : Use an adequate ventilation.
Wash thoroughly after handling.
Use personal protective equipment as required.
Avoid contact with bases.

STORAGE

SUITABLE STORAGE CONDITIONS : Store container tightly closed in well-ventilated place.
Keep away from source of ignition.
Do not store with alkalis.

SAFE PACKAGING MATERIALS : No information available

[8.EXPOSURE CONTROLS / PERSONAL PROTECTION]

ENGINEERING MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Use an adequate ventilation.

LIMIT VALUES

ACGIH (TLV) : Not established
OSHA (PEL) : Not established

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : Use as appropriate to situation.
HAND PROTECTION : Rubber gloves
EYE PROTECTION : Safety glasses
SKIN AND BODY PROTECTION : Full-body suit
HYGIENE MEASURES : No information available

[9.PHYSICAL AND CHEMICAL PROPERTIES]**APPEARANCE**

PHYSICAL STATE : Solid
COLOUR : White
ODOUR : Fatty acid odour
pH : No data available

**SPECIFIC TEMPERATURES / TEMPERATURE RANGES
AT WHICH CHANGES IN PHYSICAL STATE OCCUR**

BOILING POINT : No information available
MELTING POINT : No information available
FLASH POINT : 167 °C (332.6 °F) (CLEVELAND open cup method)

FLAMMABILITY OR EXPLOSIVE PROPERTIES

FLAMMABILITY OR EXPLOSIVE LIMITS : UPPER LIMIT : No information available LOWER LIMIT : No information available
VAPOUR PRESSURE : No information available
VAPOUR DENSITY : No information available
DENSITY (SPECIFIC GRAVITY) : No information available
SOLUBILITY
WATER SOLUBILITY : Insoluble
SOLVENT SOLUBILITY : Soluble in ethanol and ether.
Soluble in chloroform
PARTITION COEFFICIENT: n-OCTANOL / WATER (log Pow) : No information available
AUTO-IGNITION TEMPERATURE : No information available

DECOMPOSITION TEMPERATURE : No information available
 ODOUR THRESHOLD : No information available
 EVAPORATION RATE : No information available
 FLAMMABILITY (SOLID,GAS) : No information available
 VISCOSITY : No information available
 OTHER DATA : No information available

[10.STABILITY AND REACTIVITY]

CHEMICAL STABILITY : No information available
 POSSIBILITY OF HAZARDOUS REACTIONS : Reacts with base.
 No self-reactivity.
 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 products.
 OTHERS : No information available

[11.TOXICOLOGICAL INFORMATION]

ACUTE TOXICITY
 Oral
 INFORMATION ON PRODUCT : Rat, LD50 : 12 g/kg (Data on Lauric acid)(2)
 Dermal
 INFORMATION ON PRODUCT : No information available
 Inhalation
 INFORMATION ON PRODUCT : No information available
 SKIN CORROSION / IRRITATION
 INFORMATION ON PRODUCT : Rabbit, 500mg : Mild (Data on Lauric acid)(2)
 SERIOUS EYE DAMAGE / IRRITATION
 INFORMATION ON PRODUCT : No information available
 RESPIRATORY OR SKIN SENSITIZATION
 RESPIRATORY
 INFORMATION ON PRODUCT : No information available
 SKIN
 INFORMATION ON PRODUCT : No information available
 MUTAGENICITY (GERM CELL MUTAGENICITY)
 INFORMATION ON PRODUCT : No information available
 CARCINOGENICITY
 INFORMATION ON PRODUCT : No information available
 IARC : Not listed
 NTP : Not listed
 EU : Not listed
 OSHA : Not listed
 REPRODUCTIVE TOXICITY
 INFORMATION ON PRODUCT : No information available
 SPECIFIC TARGET ORGAN TOXICITY
 - SINGLE EXPOSURE
 INFORMATION ON PRODUCT : No information available
 - REPEATED EXPOSURE
 INFORMATION ON PRODUCT : No information available

ASPIRATION HAZARD

INFORMATION ON PRODUCT : No information available
OTHER INFORMATION : No information available

[12.ECOLOGICAL INFORMATION]

ECOTOXICITY : Red killifish, 96h, LC50 : 5.0 mg/L (Data on Lauric acid)(12)
Daphnia magna, 48h, EC50 : 3.6 mg/L (Data on Lauric acid)(12)
Selenastrum, 48h, EC50 : > 7.6 mg/L (Data on Lauric acid)(12)
Daphnia magna, 21days, NOEC : 0.47 mg/L (Data on Lauric acid)(12)

PERSISTENCE / DEGRADABILITY : No information available
MOBILITY IN SOIL : No information available
BIOACCUMULATIVE POTENTIAL : No information available
OTHER ADVERSE EFFECTS : No information available

[13.DISPOSAL CONSIDERATIONS]

Review "HANDLING AND STORAGE (Section 7)".
Passed to a licensed waste contractor.

Dispose of waste in accordance with local,state and federal regulations.

[14.TRANSPORT INFORMATION]

Follow all regulations in your country or region

INTERNATIONAL REGULATIONS

UN CLASS / UN NUMBER : Not applicable (IMDG, IATA)

SPECIAL PRECAUTIONS FOR USER : Review "ACCIDENTAL RELEASE MEASURES (Section 6)".
Review "HANDLING AND STORAGE (Section 7)".
Ensure containers without breakage or leakage.
Ensure containers tightly fixed.
Follow all regulations in your country or region.
Keep away from source of ignition.

[15.REGULATORY INFORMATION]

Follow all regulations in your country or region.

INVENTORIES	: ENCS(Japan)	2-608
	TSCA(USA)	Yes
	EINECS(EU)	205-582-1
	AICS(Australia)	Yes
	DSL(Canada)	Yes
	ECL(Korea)	KE-12855
	PICCS(Philippines)	Yes
	IECSC(China)	Yes

KAO Corporation is not able to check up the regulatory information in regard to the substances in your country or region,therefore,we request this matter would be filled by your responsibility.

[16.OTHER INFORMATION]

REFERENCE : -Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1)
-International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)
(2)Registry of Toxic Effects of Chemical Substances
(12)Results of Eco-toxicity tests of chemicals conducted by Ministry of the Environment in Japan

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