

SAFETY DATA SHEET

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

GHS Product identifier: KAO WAX EB-FF

Other means of identification

SDS number: B0002382

Recommended use of the chemical and restrictions on use

Recommended use: Not available.

Recommended restrictions: Not known.

Supplier's details

Manufacturer

Company Name:	Kao Oleochemical (Malaysia) Sdn. Bhd.
Address:	2510, Lorong Perusahaan Satu, Prai Industrial Complex, 13600 Prai, Penang, MALAYSIA
Telephone:	+60-4-399-8500
Fax:	+60-4-390-3646
Contact division:	-
E-mail:	-

Emergency telephone number: +60-3-6207-4347

2. Hazard(s) identification

GHS classification

Not classified

Label Elements

The substance or product does not require a hazard warning label in accordance with the GHS directive.

Pictograms:	No symbol
Signal Word:	No signal word
Hazard Statement:	Not applicable
Prevention:	Wash thoroughly after handling. If needed, use personal protective equipment as required.
Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER/doctor if you feel unwell.
Storage:	Store in a well-ventilated place.
Disposal:	-

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 (%)
N,N'-Ethylenebis(stearamide)		110-30-5	

Composition Comments: No hazardous ingredients.

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

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, powder
Unsuitable extinguishing media:	No data available.
Special hazards arising from the substance or mixture:	Produce irritating or toxic gases in a fire.

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.
Special protective equipment for fire-fighters:	Use goggles in combination with dust mask, and other protections as appropriate to situation. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides. Avoid inhalation of smoke or gases.

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. Keep upwind.
Accidental release measures:	Keep away from sources of ignition and prepare extinguishing media.
Methods and material for containment and cleaning up:	Prevent dispersion of dust. Sweep or vacuum by dust-explosion-proof type cleaner.
Environmental Precautions:	Do not discharge into the drains, surface waters or ground water directly.

7. Handling and storage

Handling

Technical measures:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Local/Total ventilation:	Use local exhaust ventilation, in case of generation of dust.
Safe handling advice:	Keep away from source of ignition. Avoid inhalation of fine dust . Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as required. Prevent generation of dust. This material may cause risk of dust explosion.
Contact avoidance measures:	No data available.

Storage

Safe storage conditions:	Keep container tightly closed. Store in a well-ventilated place. Keep away from source of ignition.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation, in case of generation of dust.

Individual protection measures, such as personal protective equipment

Eye/face protection:	Safety glasses with side shield(Safety goggles or Face shield)
Hand Protection:	Rubber gloves
Other:	Full-body suit
Respiratory Protection:	Use dust mask, 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:	Fine powder
Color:	White
Odor:	Slight characteristic odor
Odor Threshold:	No data available.
Melting Point:	141.5 - 146.5 °C/286.7 - 295.7 °F
Boiling Point:	>40 °C/104 °F
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:	296 °C/565 °F Method: Cleveland open cup
Auto-ignition temperature:	>100 °C/212 °F
Decomposition Temperature:	No data available.
pH:	7.2 Method: 1% suspension(n-butanol/water=9/1)

Viscosity

Dynamic viscosity: 10 mPa.s (160 °C/320 °F)
 5 mPa.s (190 °C/374 °F)
 4 mPa.s (200 °C/392 °F)

Kinematic viscosity: No data available.

Flow Time: No data available.

Solubility(ies)

Solubility in Water: Insoluble in water

Solubility (other): Slightly soluble in toluene and butyl alcohol

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: 13 Pa (25 °C/77 °F)

Relative density: No data available.

Density: 0.49 g/ml (20 °C/68 °F)
 0.815 g/ml (160 °C/320 °F)
 0.794 g/ml (190 °C/374 °F)

Relative vapor density: No data available.

Particle characteristics

Particle Size: No data available.

Particle Size Distribution: No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Stable in general.

Possibility of hazardous reactions: Risk of dust explosion.

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: LD 50 (Rat, Female, Male): > 2,000 mg/kg Not classified (Data on equivalent product)
 Not classified based on available data.

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:	OECD TG404 Rabbit, 4 h: Non irritant undiluted, (Data on equivalent product) Not classified based on available data.
Serious Eye Damage/Eye Irritation Product:	OECD TG405 Rabbit: Not classified undiluted, (Data on equivalent product) Not classified based on available data.
Respiratory or Skin Sensitization Product:	Skin: Classification not possible due to insufficient data. Respiratory: Classification not possible due to insufficient data.
Carcinogenicity Product:	Classification not possible due to insufficient data.
IARC:	No carcinogens present or none present in regulated quantities
Germ Cell Mutagenicity	
In vitro Product:	Ames test (TA98, TA100): Negative (Data on equivalent product) Classification not possible due to insufficient data.
In vivo Product:	Classification not possible due to insufficient data.
Reproductive toxicity Product:	Classification not possible due to insufficient data.
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:

Toxicity to Aquatic Plants

Product: No data available.

Acute 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).

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).

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. This product may cause risk of dust explosion. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides.

Contaminated Packaging:

No data available.

14. Transport information

IATA
 Not Regulated.

IMDG
 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

Safety, health and environmental regulations specific for the product in question

Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)
 Not Regulated

Thailand. List of Hazardous Substances (Notification of Ministry of Industry Re: List of Hazardous Substances B.E. 2556, Annex: Schedules 1 - 6)
 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

16. Other information, including date of preparation or last revision

Issue Date:	24.10.2022
Revision Date	25.06.2024
Version #:	2.0
Source of information:	No data available.
Further Information:	No data available.

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