

Product name:
 KAO WAX EB-FF

SAFETY DATA SHEET

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

Product name:
 KAO WAX EB-FF

Product No.: B0002382

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 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: -

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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-亞乙基雙硬脂酸酰胺 N,N'-Ethylenebis(stearamide) | - | 110-30-5 | |

Composition Comments: No hazardous ingredients.

4. First-aid measures

Description of first aid measures

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| 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

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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: | 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. |

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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. |
| 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

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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. 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

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|------------------------------------|---|
| 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

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|----------------------------------|---|
| 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. |

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8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

ACGIH (TLV) : 10 mg/m3 TWA (inhalable particles, recommended);
3 mg/m3 TWA(respirable particles, recommended)
(Particulates (insoluble or poorly soluble) not otherwise specified (PNOS))
OSHA (PEL) : 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
(Particulates not otherwise regulated)

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| Engineering measures: | 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. |
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Individual protection measures, such as personal protective equipment

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| Eye/face protection: | Safety glasses with side shield(Safety goggles or Face shield) |
| Hand Protection: | Material: Rubber gloves |
| Skin and Body Protection: | 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

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| 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 (Cleveland open cup) |
| Auto-ignition temperature: | > 100 °C/212 °F |
| Decomposition Temperature: | No data available. |
| pH: | 7.2 (1% suspension(n-butanol/water=9/1)) |

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Viscosity

Dynamic viscosity: 10 mPa.s at 160 °C/320 °F
 5 mPa.s at 190 °C/374 °F
 4 mPa.s at 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 at 25 °C/77 °F

Relative density: No data available.

Density: 0.49 g/ml at 20 °C/68 °F
 0.815 g/ml at 160 °C/320 °F
 0.794 g/ml at 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).

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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.

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.

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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.

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National Regulations

Domestic Standard: In compliance with domestic law.

15. Regulatory information

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

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 |

16. Other Information

Issue Date: 2021.05.19

Revision Date 2024.03.18

Version #: 2.0

Organization that prepared the SDS and SDS Author:

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 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.

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