

# SAFETY DATA SHEET

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

**GHS Product identifier:** PELEX OT-P

**Other means of identification**

**SDS number:** B0005126

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

**Supplier's details**

**Manufacturer**

Company Name: Kao Industrial (Thailand) Co.,Ltd.  
Address: O-NES Tower, 14th floor, 6, Soi Sukhumvit 6,  
Klongtoey Sub-district, Klongtoey District, Bangkok 10110, Thailand  
Telephone: +66-2-655-4433  
Fax: +66-2-655-4545  
Division: Chemical Business

**Emergency telephone number:** 66-2-655-4433

## 2. Hazard(s) identification

**GHS classification of substance or mixture, and national or regional information:**

**Health Hazards**

|   |                         |
|---|-------------------------|
| Acute toxicity (Oral)                                 | Category 5              |
| Skin Corrosion/Irritation                             | Category 2              |
| Serious Eye Damage/Eye Irritation                     | Category 1              |
| Specific Target Organ Toxicity -<br>Single Exposure   | Category 1 <sup>1</sup> |
| Specific Target Organ Toxicity -<br>Repeated Exposure | Category 1 <sup>2</sup> |

**Target Organs**

1. Central nervous system, Kidney, Heart, Respiratory organs
2. Central nervous system, Respiratory organs, Heart

**Environmental Hazards**

|   |            |
|---|------------|
| Acute hazards to the aquatic<br>environment | Category 3 |
|---|------------|

**Label Elements**

**Pictograms:**



**Signal Word:** Danger

**Hazard Statement:** May be harmful if swallowed.  
Causes skin irritation.  
Causes serious eye damage.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.

**Precautionary Statements**

**Prevention:** Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/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. Immediately call a POISON CENTER/doctor. IF ON SKIN: Gently wash with plenty of water and soap. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

**Storage:** Store locked up.

**Disposal:** Passed to a licensed waste contractor.

**Other hazards which do not result in GHS classification:** None.

**Unknown toxicity - Health**

Acute toxicity, inhalation, dust or mist 86.2 %

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

**3. Composition/information on ingredients****Mixtures**

| Chemical Identity             | Common name and synonyms | CAS number | Concentration* |
|-------------------------------|--------------------------|------------|----------------|
| Sodium dioctyl sulfosuccinate |                          | 577-11-7   | 70%            |
| Ethylene glycol               |                          | 107-21-1   |                |
| 2-Ethylhexyl alcohol          |                          | 104-76-7   |                |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**4. First-aid measures****Description of necessary first-aid measures**

|                      |   |
|----------------------|---|
| <b>Ingestion:</b>    | Immediately call a POISON CENTER/doctor.  |
| <b>Inhalation:</b>   | Remove person to fresh air and keep comfortable for breathing.  |
| <b>Skin Contact:</b> | If skin irritation occurs, get medical advice/attention. Flush skin with running water. Take off contaminated clothing and wash before re-use. Immediately call a POISON CENTER/doctor. |
| <b>Eye contact:</b>  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.                           |

**5. Fire-fighting measures****Suitable (and unsuitable) extinguishing media**

|  |   |
|--|---|
| <b>Suitable extinguishing media:</b>   | Powder, alcohol-resistant foam, water spray, carbon dioxide, sand |
| <b>Unsuitable extinguishing media:</b> | No data available.  |

|  |  |
|--|--|
| <b>Specific hazards arising from the chemical:</b> | Produce irritating or toxic gases in a fire. |
|--|--|

**Special protective action for fire fighters**

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

**6. Accidental release measures**

|   |   |
|---|---|
| <b>Personal precautions, protective equipment and emergency procedures:</b> | Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.   |
| <b>Environmental Precautions:</b>   | Avoid release to the environment.   |
| <b>Methods and material for containment and cleaning up:</b>                | 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. |
| <b>Notification Procedures:</b>   | Keep away from sources of ignition and prepare extinguishing media.   |

**7. Handling and storage****Precautions to ensure safe handling:**

Keep away from source of ignition. Avoid contact with eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using the product.

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed. Store in a well-ventilated place. Store locked up. Keep away from source of ignition.

**8. Exposure controls/personal protection****Control Parameters****Occupational Exposure Limits**

| Chemical Identity                     | Type    | Exposure Limit Values | Source  |
|---------------------------------------|---------|-----------------------|---|
| Ethylene glycol                       | CEILING | 100 mg/m <sup>3</sup> | Thailand. OELs (DLPW Notification Re: Occupational Exposure Limits for Hazardous Chemicals), as amended (08 2017) |
| Ethylene glycol - Vapor fraction      | STEL    | 50 ppm                | US. ACGIH Threshold Limit Values, as amended (03 2017)  |
| Ethylene glycol - Aerosol, inhalable. | STEL    | 10 mg/m <sup>3</sup>  | US. ACGIH Threshold Limit Values, as amended (03 2017)  |
| Ethylene glycol - Vapor fraction      | TWA     | 25 ppm                | US. ACGIH Threshold Limit Values, as amended (03 2017)  |

**Appropriate Engineering Controls:**

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

**Individual protection measures, such as personal protective equipment**

|                                |                                  |
|--------------------------------|----------------------------------|
| <b>Eye/face protection:</b>    | Safety goggles                   |
| <b>Hand Protection:</b>        | Rubber gloves                    |
| <b>Other:</b>                  | Full-body suit                   |
| <b>Respiratory Protection:</b> | Use as appropriate to situation. |
| <b>Hygiene measures:</b>       | No data available.               |

**9. Physical and chemical properties****Appearance**

|                          |                             |
|--------------------------|-----------------------------|
| <b>Physical state:</b>   | liquid                      |
| <b>Form:</b>             | Liquid                      |
| <b>Color:</b>            | Colorless                   |
| <b>Odor:</b>             | Slight characteristic odor  |
| <b>Odor Threshold:</b>   | No data available.          |
| <b>pH:</b>               | 5.9 (1% solution)           |
| <b>Freezing point:</b>   | < 20 °C                     |
| <b>Boiling Point:</b>    | > 40 °C                     |
| <b>Flash Point:</b>      | 144 °C (Cleveland open cup) |
| <b>Evaporation Rate:</b> | No data available.          |

|   |  |
|---|--|
| <b>Flammability:</b>                            | No data available.   |
| <b>Explosive limit - upper:</b>                 | No data available.   |
| <b>Explosive limit - lower:</b>                 | No data available.   |
| <b>Vapor pressure:</b>                          | No data available.   |
| <b>Relative vapor density:</b>                  | No data available.   |
| <b>Density:</b>                                 | 1.105 g/ml (20 °C)<br>1.077 g/ml (30 °C)<br>1.044 g/ml (40 °C) |
| <b>Relative density:</b>                        | No data available.   |
| <b>Solubility in Water:</b>                     | Emulsifiable in water.   |
| <b>Solubility (other):</b>                      | No data available.   |
| <b>Partition coefficient (n-octanol/water):</b> | No data available.   |
| <b>Self Ignition Temperature:</b>               | No data available.   |
| <b>Decomposition Temperature:</b>               | No data available.   |
| <b>Kinematic viscosity:</b>                     | No data available.   |
| <b>Dynamic viscosity:</b>                       | 430 mPa.s (10 °C)<br>280 mPa.s (20 °C)<br>190 mPa.s (30 °C)    |

## 10. Stability and reactivity

|  |                              |
|--|------------------------------|
| <b>Reactivity:</b>                         | No data available.           |
| <b>Chemical Stability:</b>                 | No data available.           |
| <b>Possibility of hazardous reactions:</b> | No data available.           |
| <b>Conditions to avoid:</b>                | No data available.           |
| <b>Incompatible Materials:</b>             | No data available.           |
| <b>Hazardous Decomposition Products:</b>   | Carbon dioxide Sulfur oxides |

## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

#### Oral

**Product:** ATEmix: 3,695 mg/kg

#### Dermal

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

#### Inhalation

**Product:** ATEmix74 mg/l Vapour  
Dusts, mists and fumes: Classification not possible due to insufficient data.

#### Skin Corrosion/Irritation

**Product:** No data available.

**Components:**

|                               |                  |
|-------------------------------|------------------|
| Sodium dioctyl sulfosuccinate | Category 2: (88) |
| 2-Ethylhexyl alcohol          | Category 2: (88) |

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

|                               |                   |
|-------------------------------|-------------------|
| Sodium dioctyl sulfosuccinate | Category 1: (88)  |
| 2-Ethylhexyl alcohol          | Category 2A: (88) |

**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

**ACGIH:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**
**In vitro**

**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:** No data available.

**Components:**

|                      |  |
|----------------------|--|
| Ethylene glycol      | Category 1: Central nervous system, Kidney, Heart, Respiratory organs: (1) |
| 2-Ethylhexyl alcohol | Category 3: respiratory tract irritant: (84)                               |

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**

|                 |  |
|-----------------|--|
| Ethylene glycol | Category 1: Central nervous system, Respiratory organs, Heart: (1) |
|-----------------|--|

**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:**

Sodium dioctyl sulfosuccinate Category 3: (12)

2-Ethylhexyl alcohol 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).**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 K<sub>ow</sub>)****Product:** No data available.**Mobility in soil:** No data available.**Known or predicted distribution to environmental compartments**

Sodium dioctyl sulfosuccinate No data available.

Ethylene glycol No data available.

2-Ethylhexyl alcohol No data available.

**Other adverse effects:** No data available.**13. Disposal considerations****Disposal methods**

**Disposal instructions:** Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and sulfur oxides.

**Contaminated Packaging:** No data available.

#### 14. Transport information

**IATA**

Not regulated.

**IMDG**

Not regulated.

#### 15. Regulatory information

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

**Thailand. Hazardous Substances Prohibited from On-line Notification System (Notification of Ministry of Industry, B.E. 2547)**

Not Regulated

**Thailand. Notification of Ministry of Industry, Re: List of Hazardous Substances B.E. 2538**

**Thailand. Hazardous Substances under Chapter 3, Duties and Civil Liabilities (Notification of Ministry of Industry Re: Hazardous Substances under Chapter 3 of Hazardous Substances Act)**

Not Regulated

**Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to Dangerous Chemicals**

**Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to More Dangerous Chemicals**

**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

**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, including date of preparation or last revision****Issue Date:** 07.01.2021**Revision Date:****Version #:** 1.0**Source of information:** No data available.**Further Information:** No data available.

**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:**

- (1): GHS Classification Database, National Institute of Technology and Evaluation (NITE)
- (12): Results of Eco-toxicity tests of chemicals conducted by Ministry of the Environment in Japan
- (84): IFRA-IOFI LABELING MANUAL
- (88): ECHA-REACH Registered Substances Database