

# SAFETY DATA SHEET

## 1. Product and company identification

**Name of chemical (Product name):** EMAL 2F PASTE

**Product No.:** B0001822

**Manufacturer/Importer/Distributor Information**

**Information on domestic 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  
 Division: Chemical Business  
 E-mail: chemical@kao.co.jp

**Emergency telephone number:** 81-3-5630-7700

## 2. Hazard(s) identification

**GHS classification:**

**Health Hazards**

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1

**Environmental Hazards**

Acute hazards to the aquatic environment	Category 2
Chronic hazards to the aquatic environment	Category 3

**GHS label elements**

**Pictograms:**



**Signal Word:** Danger

**Hazard Statement:** Causes skin irritation.  
 Causes serious eye damage.  
 Toxic to aquatic life.  
 Harmful to aquatic life with long lasting effects.

- Prevention:** Avoid release to the environment. Wash thoroughly after handling. 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 (or hair): Take off contaminated clothing. Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- Storage:** -
- Disposal:** Passed to a licensed waste contractor.

**Unknown toxicity - Health**

Acute toxicity, dermal	30.23 %
Acute toxicity, inhalation, dust or mist	31.07 %

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	0 %

**3. Composition/information on ingredients**

**Mixtures**

**General information:** No data available.

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Sodium lauryl sulfate	151-21-3	Yes	Yes	25 - 35%

**4. First-aid measures**

**Description of necessary first-aid measures**

- Inhalation:** Remove person to fresh air and keep comfortable for breathing.
- Skin Contact:** 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.
- 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:** Immediately call a POISON CENTER/doctor.

**5. Fire-fighting measures**

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Powder, alcohol-resistant foam, water spray, carbon dioxide, sand

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** Produce irritating or toxic gases in a fire.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Product itself is non-combustible. 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. Risk of producing harmful gases such as carbon monoxide and sulfur 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.

**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.

**Environmental Precautions:** Avoid release to the environment.

**Prevention of secondary hazards:** Risk of slipping. Spilled material forms slippery floor.

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.

**Safe handling advice:** Avoid contact with eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.

**Contact avoidance measures:** No data available.

**Hygiene measures:** No data available.

## Storage

<b>Safe storage conditions:</b>	Keep container tightly closed. Store in a well-ventilated place.
<b>Safe packaging materials:</b>	No data available.
<b>Storage Temperature:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

**Product:** None known.

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

<b>Eye/face protection:</b>	Safety goggles
<b>Hand Protection:</b>	Material: Rubber gloves
<b>Skin and Body Protection:</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

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	Viscous liquid
<b>Color:</b>	Pale yellow, clear
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	< 68 °F/20 °C
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	Not detected
<b>Self Ignition Temperature:</b>	Not determined.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	7.5 (4% solution)

**Viscosity**

<b>Dynamic viscosity:</b>	305 mPa.s (86 °F/30 °C) 143 mPa.s (104 °F/40 °C) 63 mPa.s (122 °F/50 °C)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Very Soluble
<b>Solubility (other):</b>	Insoluble in ethylene glycol, 2-propanol and xylene
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	1.0419 g/ml (86 °F/30 °C) 1.0364 g/ml (104 °F/40 °C) 1.0314 g/ml (122 °F/50 °C)
<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size Distribution:</b>	No data available.

<b>10. Stability and reactivity</b>
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<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Has no self-reactivity.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

<b>11. Toxicological information</b>
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**Acute toxicity (list all possible routes of exposure)**

<b>Oral</b>	
<b>Product:</b>	ATEmix: 4,000 mg/kg
<b>Dermal</b>	
<b>Product:</b>	Classification not possible due to insufficient data.
<b>Inhalation</b>	
<b>Product:</b>	Dusts, mists and fumes: 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:**

Sodium lauryl sulfate Category 2 (96)

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

Sodium lauryl sulfate Category 1 (8)

**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 carcinogenic components identified

**ACGIH:**

No carcinogenic components identified

**NTP:**

No carcinogenic components identified

**JSOH:**

No carcinogenic components identified

**EU**

No carcinogenic components identified

**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.  
 Not classified based on available data of component(s).

**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.

<b>12. Ecological information</b>
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**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 lauryl sulfate Category 2: (88)

**Chronic 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 lauryl sulfate Category 3: (88)

**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.

**Hazardous to the ozone layer:** Not Regulated

**Further Information:** No data available.

### 13. Disposal considerations

**Disposal methods:** 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

#### International regulations

**IMDG**

Not regulated.

**IATA**

Not regulated.

#### National Regulations

**Domestic Standard:** In compliance with domestic law.

### 15. Regulatory information

**Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof**

**Until March 31st, 2023**

**Class 1 Substance(s):**

Sodium dodecyl sulfate 20%

**Class 2 Substance(s):**

Sodium alkyl ester sulfate (alkyl C=16-18) 3.9%

**From April 1st, 2023**

**Class 1 Substance(s):**

Sodium dodecyl sulfate 20%

**Industrial Safety and Health Law**

Not Regulated

**Poisonous and Deleterious Substances Control Act**

Not Regulated

**Explosives Control Act:**

Not Regulated

**High Pressure Gas Safety Act:**

Not Regulated



**Fire Service Act:**

Not applicable to dangerous materials / designated flammables.

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.**

**Priority Assessment Chemical Substances (PACs):**

Sodium alkyl(C=8-18) sulfate

**Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:**

Not Regulated

**Air Law, Enforcement Rule:**

Not Regulated

**Export Trade Control Order**

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

<b>16. Other Information</b>
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**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:**

- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)
- GHS guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association (8): OECD SIDS
- (88): ECHA-REACH Registered Substances Database
- (96): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (March 2017)