

Product name:
EMAL 2F-30

CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

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

Product name:
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Recommended use and restriction on use

Recommended use: Anionic surfactant

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name: Kao Corporation
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Division: Chemical Business
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Emergency telephone number: 81-3-5630-7700

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Revision Date:

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2. Hazard(s) identification

Emergency Overview: Pale yellow Viscous liquid. Odor: Slight characteristic odor. Hazard statements: May be harmful if swallowed. Causes skin irritation. Causes serious eye damage. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Notes to physician: Get medical attention if symptoms occur.

GHS classification

Health Hazards

| | |
|-----------------------------------|------------|
| Acute toxicity (Oral) | Category 5 |
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 1 |

Environmental Hazards

SDS CN-B0001825-C

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Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 3

Label Elements

Pictograms:



Signal Word: Danger

Hazard Statement: May be harmful if swallowed.
 Causes skin irritation.
 Causes serious eye damage.
 Toxic to aquatic life.
 Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention: Wash hands thoroughly after handling. 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. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

Storage: -

Disposal: Passed to a licensed waste contractor.

Physical and Chemical Hazards: None.

Health Hazards: None.

Environmental Hazards: None.

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

3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|-----------------------|------------|-------------------------|
| Sodium lauryl sulfate | 151-21-3 | 30% |

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

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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. |

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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

| | |
|----------------------------------|--|
| Safe storage conditions: | Keep container tightly closed. Store in a well-ventilated place. |
| Safe packaging materials: | No data available. |
| Storage Temperature: | 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 an adequate ventilation. |
| Monitoring methods: | No data available. |

Individual protection measures, such as personal protective equipment

| | |
|----------------------------------|----------------------------------|
| Eye/face protection: | Safety goggles |
| Hand Protection: | Material: Rubber gloves |
| Skin and Body Protection: | Full-body suit |
| Respiratory Protection: | Use as appropriate to situation. |
| Hygiene measures: | No data available. |

9. Physical and chemical properties

Appearance

| | |
|------------------------|----------------------------|
| Physical state: | liquid |
| Form: | Viscous liquid |
| Color: | Pale yellow |
| Odor: | Slight characteristic odor |
| Odor Threshold: | No data available. |
| pH: | 8 (1% solution) |

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| | |
|---|---|
| Freezing point: | < 20 °C |
| Boiling Point: | No data available. |
| Flash Point: | No data available. |
| Evaporation Rate: | No data available. |
| Flammability: | No data available. |
| Explosive limit - upper: | No data available. |
| Explosive limit - lower: | No data available. |
| Vapor pressure: | No data available. |
| Relative vapor density: | No data available. |
| Density: | 1.0419 g/ml (30 °C) 1.0364 g/ml (40 °C) 1.0314 g/ml (50 °C) |
| Relative density: | No data available. |
| Solubility in Water: | Very Soluble |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Self Ignition Temperature: | No data available. |
| Decomposition Temperature: | No data available. |
| Kinematic viscosity: | No data available. |
| Dynamic viscosity: | 130 mPa.s (30 °C) 65 mPa.s (40 °C) 35 mPa.s (50 °C) |

10. Stability and reactivity

| | |
|--|-------------------------|
| Reactivity: | No data available. |
| Chemical Stability: | Stable in general. |
| Possibility of hazardous reactions: | Has no self-reactivity. |
| 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: | ATEmix: 4,000 mg/kg |
| Dermal | |
| Product: | Classification not possible due to insufficient data. |
| Inhalation | |
| Product: | Dusts, mists and fumes: Classification not possible due to insufficient data. |

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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.

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.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

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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.

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.

Other adverse effects: 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

IMDG

Not regulated.

IATA

Not regulated.

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15. Regulatory information

China. Catalog of Hazardous Chemicals

Not Regulated

China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3)

Not Regulated

China: CWC. Controlled Chemicals List (Regulations on the Administration of Controlled Chemicals, Decree No. 190, Dec. 27, 1995, as amended)

Not Regulated

China. Explosive Precursor Hazardous Chemicals (Ministry of Public Safety, 2011 version)

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 |

Should comply with local regulations in respect of this product.

16. Other Information

Issue Date: 27.11.2020

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Abbreviations and acronyms

No data available.

Training information: No data available.

Further Information: No data available.

References: No data available.

Revision Information Not relevant.

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Disclaimer:

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Reference:

- (8): OECD SIDS
- (88): ECHA-REACH Registered Substances Database
- (96): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (March 2017)