SAFETY DATA SHEET

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

Product name:

EMAL 20C

Product No.: B0011516

Recommended use of the chemical and restrictions on use

Recommended use: Not available.
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name:	Kao (Taiwan) Corporation
Address:	10F.,No.207, Sec 3, Pei-Hsin Rd., Hsin-Tien District, New Taipei City 23143, Taiwan R.O.C.
Telephone:	+886-2-8665-1900
Fax:	+886-2-8913-1156
Contact division:	-
E-mail:	-

Emergency telephone number: 886-2-8665-1900

2. Hazard(s) identification

GHS classification

Health Hazards

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

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist	26.26 %

Environmental Hazards

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

Unknown toxicity - Environment

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

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.

Precautionary Statements

Prevention:
Wash 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 or doctor/ physician.
IF ON SKIN: Wash with plenty of soap and 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.

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

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
月桂醇聚醚硫酸酯鈉 Sodium polyoxyethylene(2.0) alkyl(C10-16) ethers sulfates	-	68585-34-2	

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. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before re-use.

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.
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.

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.
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. 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.
Accidental release measures:	Risk of slipping. Spilled material forms slippery floor.
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.

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 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.

Storage

Safe storage conditions: Keep container tightly closed. Store in a well-ventilated place.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits
None known.

Engineering measures: 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 (PPE)

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

Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Form: Liquid

Color:	Pale yellow, clear
Odor:	Slight characteristic odor
Odor Threshold:	No data available.
Freezing point:	<20 °C/68 °F
Boiling Point:	No data available.
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:	No data available.
Auto-ignition temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	7 - 8 (1% solution(Active, 25°C))
Viscosity	
Dynamic viscosity:	No data available.
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	Soluble in ethyl alcohol Insoluble in xylene
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	1.046 g/ml (25 °C/77 °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:	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: No data available.
Not classified based on available data of component(s).

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: No data available.

Components:
Sodium polyoxyethylene(2.0) alkyl(C10-16) ethers sulfates: Category 2 (98)

Serious Eye Damage/Eye Irritation
Product: No data available.

Components:
Sodium polyoxyethylene(2.0) alkyl(C10-16) ethers sulfates: Category 1 (98)

Respiratory or Skin Sensitization
Product: Skin: No data available.
Not classified based on available data of component(s).
Respiratory: Classification not possible due to insufficient data.

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

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: 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: 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 polyoxyethylene(2.0) alkyl(C10-16) ethers sulfates	Category 2: (98)

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Components:

Sodium polyoxyethylene(2.0) alkyl(C10-16) ethers sulfates	Category 3: (98)

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

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

National regulatory information:

Regulations on Occupational Safety and Health Facilities	Regulated
Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.	Regulated
Regulations on Labelling and Hazard Communication of Hazardous Chemicals	Regulated
Rules on Road Traffic Safety	Not Regulated
Standards of Permissible Exposure Limits in Workplace	Contains no substances with occupational exposure limit values.
Regulations for Governing Prevention of Organic Solvent Poisoning	Not Regulated
Standard for the Control of Designated Hazardous and Dangerous Chemical	Not Regulated
Establishment Standards and Safety Control Regulations for Manufacturing, Storing, Processing Public Hazardous Substances and Flammable Pressurized Gases Places	Not Regulated
Categories and Management of Handling for Toxic Chemical Substances	
Toxic chemical substances	Not Regulated
Concerned chemical substances	Not Regulated
Rules on Labour Health Protection	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 Industrial Chem. Act (AIIC):	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

Issue Date: 2020.07.17

Revision Date 2026.01.09

Version #: 3.0

Organization that prepared the SDS and SDS Author:

SDS Author: Kao (Taiwan) Corporation
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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Reference:

(98): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (May 2021)