SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): LATEMUL AD-25

Product No.: B0002416

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 3
Chronic hazards to the aquatic environment	Category 3

GHS label elements

Pictograms:

Signal Word: Danger

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

Prevention: Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/eye protection/face protection. This product may form partially precipitate according to the storage condition. In that case, please warm-up for dissolving, then use as homogeneous liquid.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
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.

Storage: -

Disposal: Passed to a licensed waste contractor.

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist	26 %

Unknown toxicity - Environment

Acute hazards to the aquatic environment	0.22 %
Chronic hazards to the aquatic environment	0.22 %

3. Composition/information on ingredients

Mixtures

General information: No data available.

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)*
Ammonium lauryl sulfate	68081-96-9	Yes	Yes	20 - 30%

* 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

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: Product itself is non-combustible. 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.

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. This product may form partially precipitate according to the storage condition. In that case, please warm-up for dissolving, then use as homogeneous liquid.

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 known.

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.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: Liquid
Color: Pale yellow
Odor: Characteristic
Odor Threshold: No data available.
pH: 6.8 (1% solution)
Freezing point: 34 °F/1 °C
Boiling Point: 216 °F/102 °C
Flash Point: Not detected
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:	1.017 g/ml (86 °F/30 °C) 1.012 g/ml (104 °F/40 °C) 1.006 g/ml (122 °F/50 °C)
Relative density:	No data available.
Solubility in Water:	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:	14,600 mPa.s (86 °F/30 °C) 3,790 mPa.s (104 °F/40 °C) 1,310 mPa.s (122 °F/50 °C)
Particle properties:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable in general.
Possibility of hazardous reactions:	No data available.
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): > 2,000 mg/kg (Data on similar product) Not classified based on available data.

Dermal

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

Inhalation

Product: 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:

Ammonium lauryl sulfate Category 2 (96)

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Ammonium lauryl sulfate Category 1 (96)

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: 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: Ames test (TA98, TA100): Negative (Data on similar 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:

Acute hazards to the aquatic environment

Fish
Product: LC 50 (Rainbow Trout, 96 h): 14.4 mg/l (Data on similar product)

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Components:
Ammonium lauryl sulfate Category 2 (96)

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:
Ammonium lauryl sulfate Category 3 (96)

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

Industrial Safety and Health Law
Not Regulated

Poisonous and Deleterious Substances Control Act
Not Regulated

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

Priority Assessment Chemical Substances (PACs):
Sodium alkyl(C=8-18) sulfate;

Law concerning Pollutant Release and Transfer Register
Not Regulated

Fire Service Act:
Not applicable to dangerous materials / designated flammables.

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:
Not Regulated

Air Law, Enforcement Rule:
Not Regulated

Explosives Control Act:
Not Regulated

High Pressure Gas Safety Act:
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

16.Other Information

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 guidline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association

(96): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (March 2017)