

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): LATEMUL ASK

Product No.: B0002417

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
Contact division:	Chemical Business
E-mail:	chemical@kao.co.jp

Intended Use: Emulsion polymerization use

Restrictions on use: Please refer to Sec.2, 4, 7, 8, 10 and 13.

Emergency telephone number: 81-3-5630-7700

2. Hazard(s) identification

GHS classification

Health Hazards

Serious Eye Damage/Eye Irritation	Category 1
-----------------------------------	------------

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist	30 %
--	------

Environmental Hazards

Acute hazards to the aquatic environment	Category 1
--	------------

Chronic hazards to the aquatic environment	Category 1
--	------------

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 serious eye damage.
 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention: Avoid release to the environment. Wear 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. Collect spillage.

Storage: Store between 5 and 40 C. Do not freeze this product.

Disposal: Passed to a licensed waste contractor.

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

3. Composition/information on ingredients

Mixtures

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Alkanedioic(C=1~10) acid, mono-alkenyl(C=1~20)derivs., alkali metalsalts	Trade Secret	Yes	Yes	28%
Methanol	67-56-1	Yes	Yes	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.

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: No data available.

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.

Special protective equipment for fire-fighters: Use goggles in combination with dust mask, and other protections as appropriate to situation.

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: No data available.

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. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using the product.
- Contact avoidance measures:** No data available.

Storage

- Safe storage conditions:** Keep container tightly closed. Store in a well-ventilated place. Store locked up. Store between 5 and 40 C. Do not freeze this product.
- Safe packaging materials:** No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Components	Type	Exposure Limit Values		Source
Methanol	TWA	200 ppm	260 mg/m3	JPJSH OEL (04 2007)
	TLV	200 ppm		JPISHL OEL (08 2006)
Methanol	STEL	250 ppm		ACGIH (2008)
	TWA	200 ppm		ACGIH (2008)

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
--

Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Form:	Liquid
Color:	Pale yellow-brown, clear
Odor:	Oil-like
Odor Threshold:	No data available.
Freezing point:	-2.5 °C/27.5 °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:	Not detected
Auto-ignition temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	10.5(Undiluted solution)

Viscosity

Dynamic viscosity:	22 mPa.s at 20 °C/68 °F 20 mPa.s at 30 °C/86 °F 19 mPa.s at 40 °C/104 °F
Kinematic viscosity:	No data available.
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	Very Soluble
Solubility (other):	Insoluble in various organic solvents
Partition coefficient (n-octanol/water):	> 6(Measured)
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	1.047 g/ml at 20 °C/68 °F 1.042 g/ml at 30 °C/86 °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:	No data available.
Possibility of hazardous reactions:	Reacts with acids. 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: LD 50 (Rat, Female, Male): > 8,834 mg/kg (OECD TG423)
Not classified based on available data.

Dermal Product: LD 50 (Rat, female) > 2,000 mg/kg (OECD TG402) Not classified
Classification not possible due to insufficient data.
Not classified based on available data.

Inhalation Product: Vapour: ATEmix150 mg/l
Dust and mist: Classification not possible due to insufficient data.

Skin Corrosion/Irritation Product: OECD TG404 (Rabbit, 4 h): Non irritant undiluted
Not classified based on available data.

Serious Eye Damage/Eye Irritation Product: OECD TG405 Rabbit: Severe undiluted

Respiratory or Skin Sensitization Product: Skin sensitization, OECD TG406: GPMT Skin: (Guinea Pig): Negative
Skin: Not classified based on available 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 carcinogens present or none present in regulated quantities

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, TA1535, TA1537, WP2uvrA): Negative
 Chromosome Aberration test: Negative
 Micronucleus test: Negative
 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.

Components:

Methanol Category 1: visual organs, Central nervous system: (88) Contains substance(s) below threshold for classification.

Specific Target Organ Toxicity - Repeated Exposure

Product: Oral: Rat, 28 days repeated dose oral toxicity test (OECD TG407) ,
 NOAEL = 100 mg/kg/day(male), 100 mg/kg/day(female)
 Classification not possible due to insufficient data.

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: LC 50 (Red Killifish, 96 h): 220 mg/l
 LC 50 (Oryzias latipes, 96 h): > 100 mg/l (OECD TG203)

Aquatic Invertebrates

Product: EC 50 (Daphnia, 48 h): 0.0224 mg/l (OECD TG202)

Toxicity to Aquatic Plants

Product: ErC50 (Alga, 72 h): 38.9 mg/l (OECD TG201)
 NOEC (Alga, 72 h): 7.55 mg/l (OECD TG201)

Chronic hazards to the aquatic environment

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Alkanedioic(C=1~10) acid, Category 1: (21)
 mono-alkenyl(C=1~20)derivs.,
 alkali metalsalts

Persistence and Degradability

Biodegradation

Product: 88 % (29 d, OECD TG301B) Readily biodegradable
 74 % (28 d, OECD TG301F) Readily biodegradable

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: > 6 (Measured)

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.

Contaminated Packaging: No data available.

14. Transport information

International regulations

IMDG

UN Number:	UN 3082
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanedioic(C=1~10) acid, mono-alkenyl(C=1~20)derivs., alkali metalsalts)
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-F
Packing Group:	III
Limited quantity	5.00L
Excepted quantity	E1
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	Not Regulated.

IATA

UN Number:	UN 3082
UN Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (Alkanedioic(C=1~10) acid, mono-alkenyl(C=1~20)derivs., alkali metalsalts)
Transport Hazard Class(es):	
Class:	9
Label(s):	9MI (Miscellaneous)
Packing Group:	III
Excepted quantity	E1
Environmentally Hazardous:	Yes
Marine Pollutant:	No
Special precautions for user:	Not Regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 964
Cargo aircraft only:	Allowed. 964

UN Proper Shipping Name (JP): 環境有害物質(液体)(アルカンジカルボン酸(C=1~10)、モノアルケニル(C=1~20)誘導体、アルカリ金属塩)

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.

Emergency Response Guide Number: 171

15. Regulatory information

Industrial Safety and Health Law

Specified Substances Regulation

Class 1 designated chemical substances:

Not Regulated

Class 2 designated chemical substances:

Not Regulated

Class 3 designated chemical substances:

Not Regulated

Ordinance on Prevention of Lead Poisoning:

Not Regulated

Ordinance on Prevention of Tetraalkyl Lead Poisoning:

Not Regulated

Notifiable substances (wt% is sometimes described by range because it's CBI.):

Methanol 2%

Labeling substances:

Methanol

Confirmed mutagens among the notified chemical substances:

Not Regulated

Confirmed mutagens among the existing chemical substances:

Not Regulated

Confirmed carcinogenic chemical substances:

Not Regulated

Chemical substances that cause skin disorders, etc.:

Methanol

Poisonous and Deleterious Substances Control Act

Not Regulated

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

Not Regulated

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

Not Regulated.

Fire Service Act:

Not applicable to dangerous materials / designated flammables.

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

Miscellaneous dangerous substances and articles

Air Law, Enforcement Rule:
 Miscellaneous dangerous substances and articles

Explosives Control Act:
 Not Regulated

High Pressure Gas Safety Act:
 Not Regulated

Act on Prevention of Marine Pollution and Maritime Disaster:
 Pack transport, Marine pollutant

Export Trade Control Order
 Not Regulated

Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	Not in compliance with the inventory
Australia AICS:	Not 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:	Not 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.

Version #: 5.0
Revision Date: 2024.06.26
Issue Date: 2021.01.07

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
(21): Estimation
(88): ECHA-REACH Registered Substances Database