

Product name:
 QUARTAMIN E-80K

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): QUARTAMIN E-80K

Product No.: B0007878

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

Acute toxicity (Oral)	Category 4
Serious Eye Damage/Eye Irritation	Category 1
Specific Target Organ Toxicity - Repeated Exposure	Category 1

Environmental Hazards

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

GHS label elements

Pictograms:



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- Signal Word:** Danger
- Hazard Statement:** Harmful if swallowed.
 Causes serious eye damage.
 Causes damage to organs through prolonged or repeated exposure.
 Very toxic to aquatic life with long lasting effects.
- Prevention:** Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear eye protection/face protection.
- Response:** IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. 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 and soap. Get medical advice/attention if you feel unwell. Collect spillage.
- Storage:** -
- Disposal:** Passed to a licensed waste contractor.

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist 100 %

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 (%)
3-Octadecyloxypropyl-N,N,N-trimethylammonium chloride	23328-71-4	YES		40 - 50%
Stearyl alcohol	112-92-5	YES	YES	25 - 30%
n-Cetyl alcohol	36653-82-4	YES	YES	25 - 30%

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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:	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:	Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Immediately call a POISON CENTER/doctor.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, powder

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. 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 phosgene. 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: Sweep or vacuum spills to drums or containers.

Environmental Precautions: Avoid release to the environment.

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Prevention of secondary hazards: Keep away from sources of ignition and prepare extinguishing media.

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.

Safe handling advice: Keep away from source of ignition. Avoid contact with eyes. This product may be melted or solidified according to the storage conditions or after the long time storage. Please do not transport or store under high temperature condition. 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.

Hygiene measures: No data available.

Storage

Safe storage conditions: Keep away from source of ignition. 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

Product: 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.

Hygiene measures: No data available.

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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Solid or granules
Color:	White to light yellow
Odor:	Characteristic
Odor Threshold:	No data available.
Melting Point:	160 - 172 °F/71 - 78 °C
Boiling Point:	> 104 °F/40 °C
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:	370 °F/188 °C (Cleveland open cup)
Self Ignition Temperature:	No data available.

Decomposition Temperature: 320 °F/160 °C

pH: 5.3 (1% solution)

Viscosity

Dynamic viscosity: 81.4 mPa.s (194 °F/90 °C)
 59.9 mPa.s (212 °F/100 °C)
 44.6 mPa.s (230 °F/110 °C)

Kinematic viscosity: No data available.

Flow Time: No data available.

Solubility(ies)

Solubility in Water: Emulsifiable in water.
Solubility (other): Soluble in isopropyl alcohol
 Soluble in ethyl alcohol

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.

Density: 0.832 g/ml (194 °F/90 °C)
 0.829 g/ml (212 °F/100 °C)
 0.824 g/ml (230 °F/110 °C)

Vapor density (air=1): No data available.

Particle characteristics

Particle Size: No data available.

Particle Size Distribution: No data available.

Heat of combustion >= 34 kJ/g

10. Stability and reactivity

Reactivity: No data available.

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Chemical Stability: Stable in general.
Possibility of hazardous reactions: Stable
Conditions to avoid: Avoid contact with moisture.
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: 666.89 mg/kg

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.

Skin Corrosion/Irritation
Product: No data available.
Not classified based on available data of component(s).

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

Components:
3-Octadecyloxypropyl-
N,N,N-
trimethylammonium
chloride
Category 1: (99)

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

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NTP:
No carcinogenic components identified

JSOH:
No carcinogenic components identified

EU
No carcinogenic components identified

Germ Cell Mutagenicity

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

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

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.

Components:
3-Octadecyloxypropyl-
N,N,N-
trimethylammonium
chloride
Category 1: (99)

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.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

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Components:

3-Octadecyloxypropyl-
N,N,N-trimethylammonium
chloride Category 1: (99)

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:

3-Octadecyloxypropyl-
N,N,N-trimethylammonium
chloride Category 1: (99)

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.

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 phosgene.

Contaminated Packaging:

No data available.

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14. Transport information

International regulations

IMDG

UN Number:	UN 3077
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (3-Octadecyloxypropyl-N,N,N-trimethylammonium chloride)
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-F
Packing Group:	III
Limited quantity	5.00KG
Excepted quantity	E1
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	Not regulated.

IATA

UN Number:	UN 3077
UN Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s. (3-Octadecyloxypropyl-N,N,N-trimethylammonium chloride)
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. 956
Cargo aircraft only:	Allowed. 956
UN Proper Shipping Name (JP):	環境有害物質(固体)(3-Octadecyloxypropyl-N, N, N-trimethylammonium chloride)

National Regulations

Domestic Standard: In compliance with domestic law.

Emergency Response Guide Number171

15. Regulatory information

Law concerning Pollutant Release and Transfer Register
 Not Regulated

Industrial Safety and Health Law
 Not Regulated

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Poisonous and Deleterious Substances Control Act
Not Regulated

Explosives Control Act:
Not Regulated

High Pressure Gas Safety Act:
Not Regulated

Fire Service Act:
-: Designated Flammable Substances, Flammable solid, Designated Quantity (3000 kilogram)

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
Not Regulated

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:
Miscellaneous dangerous substances and articles

Air Law, Enforcement Rule:
Miscellaneous dangerous substances and articles

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

Export Trade Control Order
Not Regulated

Inventory Status:	
US TSCA Inventory:	Not 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):	Not in compliance with the inventory
Japan (ENCS) List:	Not 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):	Registered
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

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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 guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association (99): Internal study data