

Product name:
 QUARTAMIN E-80K

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:
 QUARTAMIN E-80K

Product No.: B0007878

Recommended use and restriction on use

Recommended use: Cationic surfactants
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

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

Emergency telephone number: 81-3-5630-7700

2. Hazard(s) identification

Emergency Overview: White to light yellow Solid or granules. Odor: Characteristic. Hazard statements: Harmful if swallowed. Causes mild skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects. Notes to physician: Get medical attention if symptoms occur.

GHS classification

Health Hazards

Acute toxicity (Oral)	Category 4
Skin Corrosion/Irritation	Category 3
Serious Eye Damage/Eye Irritation	Category 1

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist	100 %
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Environmental Hazards

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

Product name:
 QUARTAMIN E-80K

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: Harmful if swallowed.
 Causes mild skin irritation.
 Causes serious eye damage.
 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention: 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 or doctor/ physician. If skin irritation occurs: Get medical advice/attention. Collect spillage.

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 (%)
3-Octadecyloxypropyl-N,N,N-trimethylammonium chloride	-	23328-71-4	40 - 50%

Product name:
 QUARTAMIN E-80K

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:	Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. 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.
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, powder
Unsuitable extinguishing media:	No data available.

Special hazards arising from the substance or mixture:	Produce irritating or toxic gases in a fire.
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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. 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.

Product name:
 QUARTAMIN E-80K

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

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:	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.

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.

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.

Product name:
 QUARTAMIN E-80K

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:	Solid
Form:	Solid or granules
Color:	White to light yellow
Odor:	Characteristic
Odor Threshold:	No data available.
Melting Point:	71 - 78 °C/160 - 172 °F
Boiling Point:	> 40 °C/104 °F
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:	188 °C/370 °F (Cleveland open cup)
Auto-ignition temperature:	342 °C/648 °F
Decomposition Temperature:	160 °C/320 °F
pH:	5.3 (1% solution)

Viscosity

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

Product name:
 QUARTAMIN E-80K

Vapor pressure:	No data available.
Relative density:	No data available.
Density:	0.832 g/ml at 90 °C/194 °F 0.829 g/ml at 100 °C/212 °F 0.824 g/ml at 110 °C/230 °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:	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: 1,111 mg/kg
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:	Category 3 (99)
3-Octadecyloxypropyl-N,N,N-trimethylammonium chloride	

Product name:
 QUARTAMIN E-80K

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.

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: Classification not possible due to insufficient data.

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.

Product name:
 QUARTAMIN E-80K

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.

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.

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 phosgene.

Contaminated Packaging: No data available.

Product name:
 QUARTAMIN E-80K

14. Transport information

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 (CN):	对环境有害的固态物质, 未另作规定的 (3-Octadecyloxypropyl-N,N,N-trimethylammonium chloride)

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. National and international regulatory information

Should comply with local regulations in respect of this product.

China. Catalog of Hazardous Chemicals

Not Regulated

Product name:
 QUARTAMIN E-80K

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:	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

16. Other Information

Version #:	1.0
Revision Date:	-
Issue Date:	27.09.2023
Further Information:	No data available.
Revision Information	Not relevant.
Training information	No data available.

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QUARTAMIN E-80K

Disclaimer:

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Reference:

(99): Internal study data