

Product name:  
 QUARTAMIN E-80K

# SAFETY DATA SHEET

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

Product name:  
 QUARTAMIN E-80K

Synonyms, Trade Names: -

Product No.: B0007878

Recommended use of the chemical and restrictions on use

Recommended use: Not known.

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
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
Skin Corrosion/Irritation	Category 3
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

### Label Elements

#### Pictograms:



Product name:  
 QUARTAMIN E-80K

**Signal Word:** Danger

**Hazard Statement:** Harmful if swallowed.  
 Causes mild skin irritation.  
 Causes serious eye damage.  
 Causes damage to organs through prolonged or repeated exposure.  
 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Do not breathe dust/fume/gas/mist/vapors/spray. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. 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.

**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/doctor. IF ON SKIN: Gently wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. 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%
Stearyl alcohol	-	112-92-5	25 - 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:** 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.

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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.

**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.

**Accidental release measures:** Keep away from sources of ignition and prepare extinguishing media.

**Methods and material for containment and cleaning up:** Sweep or vacuum spills to drums or containers.

**Environmental Precautions:** Avoid release to the environment.

## 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.

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**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**

None of the components have assigned exposure limits.

**Engineering measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**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.  
**Monitoring methods:** No data available.

**9. Physical and chemical properties**

**Appearance**

**Physical state:** solid  
**Form:** Solid or granules  
**Color:** White to light yellow  
**Odor:** Characteristic  
**Odor Threshold:** No data available.  
**pH:** 5.3 (1% solution)  
**Melting Point:** 71 - 78 °C  
**Boiling Point:** > 40 °C  
**Flash Point:** 188 °C (Cleveland open cup)  
**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.  
**Vapor density (air=1):** No data available.  
**Density:** 0.832 g/ml (90 °C)  
                   0.829 g/ml (100 °C)  
                   0.824 g/ml (110 °C)

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<b>Relative density:</b>	No data available.
<b>Solubility in Water:</b>	Emulsifiable in water.
<b>Solubility (other):</b>	Soluble in isopropyl alcohol Soluble in ethyl alcohol
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Self Ignition Temperature:</b>	342 °C
<b>Decomposition Temperature:</b>	160 °C
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	81.4 mPa.s (90 °C) 59.9 mPa.s (100 °C) 44.6 mPa.s (110 °C)

**Other information**

### 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Stable
<b>Conditions to avoid:</b>	Avoid contact with moisture.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

### 11. Toxicological information

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** ATEmix: 621 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.

**Components:**

3-Octadecyloxypropyl-  
N,N,N-  
trimethylammonium  
chloride

Category 3. (99)

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

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**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:**      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.

<b>12. Ecological information</b>
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**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:**      No data available.

**Aquatic Invertebrates**

**Product:**      No data available.

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**Toxicity to Aquatic Plants**

**Product:** No data available.

**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.

**Components:**

3-Octadecyloxypropyl-  
 N,N,N-  
 trimethylammonium  
 chloride      44 % (28 d, OECD TG301B)

Stearyl alcohol      95.6 % (28 d, OECD TG301B) 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:** 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.

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## 14. Transport information

### 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

### 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:	No
Special precautions for user:	Not regulated.

Emergency Response Guide(ERG) Numbers : 171

## 15. Regulatory information

Should comply with local regulations in respect of this product.

**Taiwan. OELs (Standards of Permissible Exposure Limits at Workplace, Notice No. 58463), as amended**

See section 8 of the safety data sheet

**Taiwan. Toxic Chemical Substances (TCS) (List of Toxic Chemical Substances announced by the Environmental Protection Administration)**

**Taiwan. Controlled Chemical List (Measures on Operating Permit of Controlled Chemicals, MOL No. 10302021422)**

**Taiwan. List of Hazardous Waste Generated During Industrial Processes (Standards for Defining Hazardous Industrial Waste, EPA, 7 March 2001), as amended**



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**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**

**Issue Date:** 2020.07.28

**Version #:** 1.0

**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:** (99): Internal study data