

**Product name:**  
QUARTAMIN 86P CONC

# SAFETY DATA SHEET

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

**Product name:**  
QUARTAMIN 86P CONC

**Product No.:** B0002641

### 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

#### Physical Hazards

Flammable liquids Category 2

#### Health Hazards

Acute toxicity (Oral) Category 4  
Acute toxicity (Dermal) Category 3  
Skin Corrosion/Irritation Category 3  
Serious Eye Damage/Eye Irritation Category 1  
Toxic to reproduction Category 2  
Specific Target Organ Toxicity - Single Exposure Category 1 (Central nervous system, systemic toxicity)  
Specific Target Organ Toxicity - Single Exposure Category 3 (Respiratory tract irritation.)  
Specific Target Organ Toxicity - Repeated Exposure Category 1 (blood system)  
Specific Target Organ Toxicity - Repeated Exposure Category 2 (Respiratory system, Liver, Spleen)

#### Environmental Hazards

Acute hazards to the aquatic environment Category 1

Chronic hazards to the aquatic environment

Category 1

## Label Elements

### Pictograms:



### Signal Word:

Danger

### Hazard Statement:

Highly flammable liquid and vapor.  
Toxic in contact with skin.  
Harmful if swallowed.  
Causes mild skin irritation.  
Causes serious eye damage.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause respiratory irritation.  
Causes damage to organs through prolonged or repeated exposure.  
Very toxic to aquatic life with long lasting effects.

## Precautionary Statements

### Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. This product may be solidified totally or partially according to the storage condition. In that case, please warm-up for melting, then use at homogeneous liquid.

### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Call a POISON CENTER or doctor/ physician 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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice/attention. IF exposed or concerned: Call a POISON CENTER/doctor. In case of fire : Keep away from sources of ignition and use appropriate extinguishing media. Collect spillage.

### Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

### 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 (%)*
Stearyltrimethylammonium chloride	-	112-03-8	60 - 70%
Isopropyl alcohol	-	67-63-0	25 - 35%

\* 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

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
<b>Skin Contact:</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER/doctor if you feel unwell. Gently wash with plenty of soap and water.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
<b>Ingestion:</b>	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

<b>Suitable extinguishing media:</b>	Powder, alcohol-resistant foam, water spray, carbon dioxide, sand
<b>Unsuitable extinguishing media:</b>	No data available.
<b>Specific hazards arising from the chemical:</b>	Produce irritating or toxic gases in a fire.

#### Special protective equipment and precautions for firefighters

<b>Special fire fighting procedures:</b>	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.
<b>Special protective equipment for fire-fighters:</b>	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

Product name:  
QUARTAMIN 86P CONC

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.
<b>Accidental release measures:</b>	Keep away from sources of ignition and prepare extinguishing media. Do not use tools producing sparks Risk of slipping. Spilled material forms slippery floor.
<b>Methods and material for containment and cleaning up:</b>	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. Cool down to solid in case of melt (be careful of heat), and then sweep or vacuum spilled materials to drums or containers.
<b>Environmental Precautions:</b>	Avoid release to the environment.

## 7. Handling and storage

### Handling

<b>Technical measures (e.g. Local and general ventilation):</b>	Use explosion-proof electrical equipment and prevent from static electricity. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation. Iron is apt to rust. Plant equipment should be treated with rust-resist.
<b>Safe handling advice:</b>	Keep away from source of ignition. Avoid contact with eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using the product. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. This product may be solidified totally or partially according to the storage condition. In that case, please warm-up for melting, then use at homogeneous liquid.
<b>Contact avoidance measures:</b>	No data available.
<b>Hygiene measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Store locked up. Keep away from source of ignition. Keep container tightly closed. Store in a well-ventilated place.
<b>Safe packaging materials:</b>	No data available.
<b>Storage Temperature:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Isopropyl alcohol	TWA	400 ppm 983 mg/m <sup>3</sup>	Taiwan. OELs (Standards of Permissible Exposure Limits at Workplace, Notice No. 58463), as amended (12 2003)
	STEL	500 ppm 1,228.75 mg/m <sup>3</sup>	Taiwan. OELs (Standards of Permissible Exposure Limits at Workplace, Notice No. 58463), as amended (06 2014)

**Product name:**  
QUARTAMIN 86P CONC

**Engineering measures:** Use explosion-proof electrical equipment and prevent from static electricity. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation. Iron is apt to rust. Plant equipment should be treated with rust-resist.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** Safety goggles

**Hand Protection:** Material: Gloves (solvent-resistant)

**Skin and Body Protection:** Solvent-resistant protective clothing

**Respiratory Protection:** Use chemical cartridge respirator for organic solvents, 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:** White

**Odor:** Alcohol-like odor

**Odor Threshold:** No data available.

**Freezing point:** 100 °F/38 °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:** 72 °F/22 °C (Setaflash Closed Cup)

**Self Ignition Temperature:** Not determined.

**Decomposition Temperature:** No data available.

**pH:** 6 - 8 (20% aqueous solution )

#### Viscosity

**Dynamic viscosity:** No data available.

**Kinematic viscosity:** No data available.

**Flow Time:** No data available.

**Solubility(ies)**

**Solubility in Water:** Soluble

**Solubility (other):** Soluble in ethyl alcohol

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

**Vapor pressure:** No data available.

**Relative density:** No data available.

**Density:** No data available.

**Relative vapor density:** No data available.

**Particle characteristics**

**Product name:**  
 QUARTAMIN 86P CONC

**Particle Size Distribution:** No data available.

## 10. Stability and reactivity

**Reactivity:** No data available.  
**Chemical Stability:** Stable in general.  
**Possibility of hazardous reactions:** May form flammable gas or vapor. May form explosive gas/air mixtures.  
**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, Male): 1,015 mg/kg  
 LD 50 (Rat, Female): 1,702 mg/kg

#### Dermal

**Product:** ATEmix 681 mg/kg

#### 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:** OECD TG404 Rabbit, 4 h: Mild irritant undiluted

#### Serious Eye Damage/Eye Irritation

**Product:** Rabbit: Severe undiluted

#### 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.

**Product name:**  
 QUARTAMIN 86P CONC

## Germ Cell Mutagenicity

### In vitro

**Product:** Ames test (TA98, TA100, WP2try-): Negative  
 Rec-assay: Negative  
 Classification not possible due to insufficient data.

### In vivo

**Product:** Classification not possible due to insufficient data.

## Reproductive toxicity

**Product:** No data available.

### Components:

Isopropyl alcohol Category 2: (1)

## Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

### Components:

Isopropyl alcohol Category 1: Central nervous system, systemic toxicity: (1)  
 Category 3: respiratory tract irritant: (1)

## Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.

### Components:

Isopropyl alcohol Category 1: blood system: (1)  
 Category 2: Respiratory system, Liver, Spleen: (1)

## 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 (Rainbow Trout, 96 h): < 0.1 mg/l

##### Aquatic Invertebrates

**Product:** No data available.

##### Toxicity to Aquatic Plants

**Product:** No data available.

### Components:

Stearyltrimethylammonium chloride Category 1: (88)

#### Chronic hazards to the aquatic environment

##### Fish

**Product name:**  
 QUARTAMIN 86P CONC

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

Stearyltrimethylammonium chloride    Category 1: (88)

**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.

**Components:**

Stearyltrimethylammonium chloride    No data available.

Isopropyl alcohol    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. This material is containing flammable materials. Be careful in case of incineration. Remove the contents completely in case of disposal of the container. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and phosgene.

**Contaminated Packaging:** No data available.

### 14. Transport information

**IATA**

UN Number:	UN 1993
UN Proper Shipping Name:	Flammable liquid, n.o.s.(Isopropanol)
Transport Hazard Class(es):	
Class:	3
Label(s):	3
Packing Group:	II
Excepted quantity	E2
Environmentally Hazardous:	Yes
Marine Pollutant:	No





SDS No.: B0002641  
Revision Date: 2021.03.23  
Version #: 1.0  
Last revised date: -  
Issue Date: 2021.03.23

**Product name:**  
QUARTAMIN 86P CONC

Special precautions for user:	Not regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 353
Cargo aircraft only:	Allowed. 364

#### IMDG

UN Number:	UN 1993
UN Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S.(Isopropanol)
Transport Hazard Class(es)	
Class:	3
Label(s):	3
EmS No.:	F-E, S-E
Packing Group	II
Limited quantity	1.00L
Excepted quantity	E2
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	Not regulated.

Emergency Response Guide(ERG) Numbers : 127

## 15. Regulatory information

### National regulatory information:

**Regulations on Occupational Safety and Health Facilities**

**Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.**

**Regulations on Labelling and Hazard Communication of Hazardous Chemicals**

**Rules on Road Traffic Safety**

**Standards of Permissible Exposure Limits in Workplace**

#### 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

**Issue Date:** 2021.03.23

**Version #:** 1.0

SDS TW-B0002641-B

Product name:  
QUARTAMIN 86P CONC

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**Organization that prepared the SDS and SDS Author:**

**SDS Author:** Kao (Taiwan) Corporation  
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23143, Taiwan R.O.C.  
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**Further Information:** No data available.

**References:** No data available.

**Revision Information** Not relevant.

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**Reference:**

- (1): GHS Classification Database, National Institute of Technology and Evaluation (NITE)
- (88): ECHA-REACH Registered Substances Database