

# SAFETY DATA SHEET

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

**GHS Product identifier:** QUARTAMIN 86P CONC

**Other means of identification**

**SDS number:** B0002641

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

**Supplier's details**

**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:** +65-3158 1074(For chemical emergencies only)

## 2. Hazard(s) identification

**GHS classification**

**Physical Hazards**

Flammable liquids Category 2

**Health Hazards**

Acute toxicity (Oral) Category 4

Serious Eye Damage/Eye Irritation Category 1

Specific Target Organ Toxicity - Single Exposure Category 3 (Narcotic effect)

**Unknown toxicity - Health**

Acute toxicity, dermal 63 %

Acute toxicity, inhalation, dust or mist 92 %

**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:

Highly flammable liquid and vapor.  
Harmful if swallowed.  
Causes serious eye damage.  
May cause drowsiness or dizziness.  
Very toxic to aquatic life with long lasting effects.

## Precautionary Statements

### Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing 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/eye protection/face protection.

### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. 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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. 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%               |

## 4. First-aid measures

### Description of 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.  |
| <b>Personal Protection for First-aid Responders:</b>                         | No data available.   |
| <b>Most important symptoms and effects, both acute and delayed Symptoms:</b> | No data available.   |
| <b>Hazards:</b>  | No data available.   |

### Indication of immediate medical attention and special treatment needed

|                   |  |
|-------------------|--|
| <b>Treatment:</b> | Get medical attention if symptoms occur. |
|-------------------|--|

## 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>Special hazards arising from the substance or mixture:</b> | Produce irritating or toxic gases in a fire. |
|---|--|

### Special protective equipment and precautions for fire-fighters

|  |  |
|--|--|
| <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. |
|--|--|

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. Do not use tools producing sparks Risk of slipping. Spilled material forms slippery floor.

**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. Cool down to solid in case of melt (be careful of heat), and then sweep or vacuum spilled materials to drums or containers.

**Environmental Precautions:**

Avoid release to the environment.

## 7. Handling and storage

### Handling

**Technical measures:**

Use explosion-proof electrical equipment and prevent from static electrocity. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Iron is apt to rust. Plant equipment should be treated with rust-resist.

**Local/Total ventilation:**

Use local exhaust ventilation.

**Safe handling advice:**

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.

**Contact avoidance measures:**

No data available.

### Storage

**Safe storage conditions:**

Store locked up. 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

| Chemical Identity | Type | Exposure Limit Values |             | Source        |
|-------------------|------|-----------------------|-------------|---------------|
| Isopropyl alcohol | TWA  | 400 ppm               | 983 mg/m3   | SG OEL (2006) |
| Isopropyl alcohol | STEL | 500 ppm               | 1,230 mg/m3 | SG OEL (2006) |

#### Appropriate Engineering Controls:

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

|                                |  |
|--------------------------------|--|
| <b>Eye/face protection:</b>    | Safety goggles   |
| <b>Hand Protection:</b>        | Gloves (solvent-resistant)   |
| <b>Other:</b>                  | Solvent-resistant protective clothing  |
| <b>Respiratory Protection:</b> | Use chemical cartridge respirator for organic solvents, as appropriate to situation. |
| <b>Hygiene measures:</b>       | No data available.   |

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

|  |   |
|--|---|
| <b>Physical state:</b>                                       | Liquid                                      |
| <b>Form:</b>   | Liquid                                      |
| <b>Color:</b>  | White                                       |
| <b>Odor:</b>   | Alcohol-like odor                           |
| <b>Odor Threshold:</b>                                       | No data available.                          |
| <b>Freezing point:</b>                                       | 38 °C/100 °F                                |
| <b>Boiling Point:</b>  | > 40 °C/104 °F                              |
| <b>Flammability:</b>   | No data available.                          |
| <b>Upper/lower limit on flammability or explosive limits</b> |   |
| <b>Explosive limit - upper:</b>                              | No data available.                          |
| <b>Explosive limit - lower:</b>                              | No data available.                          |
| <b>Flash Point:</b>  | 22 °C/72 °F<br>Method: Setaflash Closed Cup |
| <b>Autoignition Temperature:</b>                             | > 100 °C/212 °F                             |
| <b>Decomposition Temperature:</b>                            | No data available.                          |
| <b>pH:</b>   | 6 - 8<br>Method: 20% aqueous solution       |

#### Viscosity

|                             |                    |
|-----------------------------|--------------------|
| <b>Dynamic viscosity:</b>   | No data available. |
| <b>Kinematic viscosity:</b> | No data available. |
| <b>Flow Time:</b>           | No data available. |

#### Solubility(ies)

|                             |                          |
|-----------------------------|--------------------------|
| <b>Solubility in Water:</b> | Soluble                  |
| <b>Solubility (other):</b>  | 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

|                                    |                    |
|------------------------------------|--------------------|
| <b>Particle Size:</b>              | No data available. |
| <b>Particle Size Distribution:</b> | No data available. |

### 10. Stability and reactivity

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No data available.  |
| <b>Chemical Stability:</b>                 | Stable in general.  |
| <b>Possibility of hazardous reactions:</b> | May form flammable gas or vapor. May form explosive gas/air mixtures. |
| <b>Conditions to avoid:</b>                | No data available.  |
| <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

|                 |  |
|-----------------|--|
| <b>Product:</b> | LD 50 (Rat, Male): 1,015 mg/kg<br>LD 50 (Rat, Female): 1,702 mg/kg |
|-----------------|--|

##### Dermal

|                 |   |
|-----------------|---|
| <b>Product:</b> | Classification not possible due to insufficient data. |
|-----------------|---|

##### Inhalation

|                 |   |
|-----------------|---|
| <b>Product:</b> | Dust and mist: Classification not possible due to insufficient data.<br>Vapour: No data available.<br>Not classified based on available data of component(s). |
|-----------------|---|

#### Skin Corrosion/Irritation

**Product:** OECD TG404 Rabbit, 4 h: Not classified undiluted  
 Not classified based on available data.

#### Serious Eye Damage/Eye Irritation

**Product:** OECD TG405, 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.

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

#### Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

##### Components:

Isopropyl alcohol Category 3: narcotic effects: (87)

#### Specific Target Organ Toxicity - Repeated Exposure

**Product:** 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 (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:**      No data available.

**Aquatic Invertebrates**

**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 K<sub>ow</sub>)**

**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. 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                                    |
| 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                         |

### 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:** 127

## 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations:**  
 This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

### Fire Safety (Petroleum and Flammable Materials) Regulations

GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid

### Inventory Status:

|  |  |
|--|--|
| <b>US TSCA Inventory:</b>                    | On or in compliance with the inventory |
| <b>Canada DSL Inventory List:</b>            | On or in compliance with the inventory |
| <b>Australia AICS:</b>                       | On or in compliance with the inventory |
| <b>Korea Existing Chemicals Inv. (KECI):</b> | Contact us for information             |
| <b>Japan (ENCS) List:</b>                    | On or in compliance with the inventory |
| <b>Japan ISHL Listing:</b>                   | On or in compliance with the inventory |

|   |  |
|---|--|
| <b>Philippines PICCS:</b>                       | On or in compliance with the inventory |
| <b>China Inv. Existing Chemical Substances:</b> | On or in compliance with the inventory |
| <b>REACH (EU):</b>                              | Contact us for information             |
| <b>Taiwan Chemical Substance Inventory:</b>     | On or in compliance with the inventory |

## 16. Other information, including date of preparation or last revision

**Issue Date:** 2023.04.04

**Version #:** 1.0

**Source of information:** No data available.

**Further Information:** No data available.

**Disclaimer:**

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### Reference:

- (87): EU CLP Regulation Annex VI
- (88): ECHA-REACH Registered Substances Database