

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## **KIMCARE® Antibacterial Hand Cleanser (6334)**

Version 2.0

MSDS Number: 190000002388

Revision Date: 02.06.2015

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1 Product identifier**

Trade name : KIMCARE® Antibacterial Hand Cleanser (6334)

#### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the Substance/Mixture : Skin-care, Biocidal product

Recommended restrictions on use : For professional users only.

#### **1.3 Details of the supplier of the safety data sheet**

Company : Kimberly-Clark Europe Limited  
40 London Road  
Reigate  
Surrey RH2 9QP  
United Kingdom

Telephone : +44 1737 736000

Telefax : +44 1737 736670

E-mail address Responsible/issuing person : sdscontact@kcc.com

#### **1.4 Emergency telephone number**

+44 1737 736000  
This telephone number is available during office hours only.  
0900 – 1700 GMT

### **SECTION 2: Hazards identification**

#### **2.1 Classification of the substance or mixture**

##### **Classification (REGULATION (EC) No 1272/2008)**

Specific target organ toxicity - single exposure, Category 3, Respiratory system H335: May cause respiratory irritation.

Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.

Chronic aquatic toxicity, Category 1 H410: Very toxic to aquatic life with long lasting effects.

##### **Classification (67/548/EEC, 1999/45/EC)**

Irritant R37: Irritating to respiratory system.

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Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H335 May cause respiratory irritation. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	<b>Prevention:</b> P273 Avoid release to the environment. P261 Avoid breathing vapours. <b>Response:</b> P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. P391 Collect spillage. <b>Storage:</b> P403 + P233 Store in a well-ventilated place. Keep container tightly closed. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

2-aminoethanol

#### Additional Labelling:

EUH208 May produce an allergic reaction.

Contains: mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

### 2.3 Other hazards

This product is a mixture. Health hazard information is based on its components.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
citric acid	77-92-9 201-069-1	Xi; R36	Eye Irrit.2; H319	>= 5 - < 10
2-aminoethanol	141-43-5 205-483-3	C; R34 Xn; R20/21/22	Acute Tox.4; H302 Acute Tox.4; H332 Acute Tox.4; H312 Skin Corr.1B; H314 STOT SE3; H335	>= 5 - < 10
Triclosan	3380-34-5 222-182-2	Xi; R36/38 N; R50-R53	Skin Irrit.2; H315 Eye Irrit.2; H319 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0.25 - < 1
WEL substance :				
Propylene Glycol	57-55-6 200-338-0			< 10

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Not required under normal use.
- In case of skin contact : Wash off with plenty of water.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
- If swallowed : Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No hazards which require special first aid measures.

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

- Treatment : No hazards which require special first aid measures.

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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

#### **5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Ensure adequate ventilation.  
Material can create slippery conditions.

#### **6.2 Environmental precautions**

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

#### **6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

#### **6.4 Reference to other sections**

For personal protection see section 8.

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### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Advice on safe handling : No special precautions required.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

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### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Skin-care  
Biocidal product

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Propylene Glycol	57-55-6	TWA (particles)	10 mg/m <sup>3</sup>	GB EH40
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
Propylene Glycol	57-55-6	TWA (Total vapour and particles)	150 ppm 474 mg/m <sup>3</sup>	GB EH40
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
2-aminoethanol	141-43-5	TWA	1 ppm 2.5 mg/m <sup>3</sup>	2006/15/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
2-aminoethanol	141-43-5	STEL	3 ppm 7.6 mg/m <sup>3</sup>	2006/15/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
2-aminoethanol	141-43-5	TWA	1 ppm 2.5 mg/m <sup>3</sup>	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
2-aminoethanol	141-43-5	STEL	3 ppm 7.6 mg/m <sup>3</sup>	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Not required under normal use.

Skin and body protection : Not required under normal use.

Respiratory protection : No personal respiratory protective equipment normally required.

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Protective measures : No special protective equipment required.

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### **SECTION 9: Physical and chemical properties**

#### **9.1 Information on basic physical and chemical properties**

Appearance : gel

Colour : light yellow

Odour : mild

pH : 5.4 - 5.6

Melting point/range : < -6 °C

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : The product is not flammable.

Solubility(ies)  
Water solubility : completely soluble

Partition coefficient: n-octanol/water : No data available

#### **9.2 Other information**

No data available

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### **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

Stable under recommended storage conditions.

#### **10.2 Chemical stability**

No decomposition if stored and applied as directed.

#### **10.3 Possibility of hazardous reactions**

Hazardous reactions : Stable under recommended storage conditions.  
No decomposition if used as directed.

#### **10.4 Conditions to avoid**

Conditions to avoid : No information available.

#### **10.5 Incompatible materials**

Materials to avoid : None.

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### 10.6 Hazardous decomposition products

Hazardous decomposition products : Stable under recommended storage conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate : > 2,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2,000 mg/kg  
Method: Calculation method

##### Components:

###### **citric acid:**

Acute oral toxicity : LD50 Oral (Mouse, male and female): 5,400 mg/kg

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

###### **2-aminoethanol:**

Acute dermal toxicity : Acute toxicity estimate : 1,100 mg/kg  
Method: Converted acute toxicity point estimate

###### **Triclosan:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401

###### **Propylene Glycol:**

Acute oral toxicity : (Rat, male and female): 22,000 mg/kg

#### Skin corrosion/irritation

##### Product:

Classification: No skin irritation

Result: No skin irritation

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

##### Components:

###### **citric acid:**

Species: Rabbit

Exposure time: 4 h

Method: Draize Test

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Result: Mild skin irritation

### **Triclosan:**

Classification: Irritating to skin.

### **Propylene Glycol:**

Species: Rabbit

Result: No skin irritation

## **Serious eye damage/eye irritation**

### **Product:**

Classification: No eye irritation

Result: No eye irritation

### **Components:**

#### **citric acid:**

Species: Rabbit

Method: OECD Test Guideline 405

Result: Irritation to eyes, reversing after 7 to 21 days

Test substance: see user defined free text

#### **Triclosan:**

Classification: Irritating to eyes.

#### **Propylene Glycol:**

Species: Rabbit

Method: OECD Test Guideline 405

Result: No eye irritation

## **Respiratory or skin sensitisation**

### **Product:**

Remarks: Based on available data, the classification criteria are not met.

### **Components:**

#### **Propylene Glycol:**

Method: OECD Test Guideline 406

Result: negative

## **Germ cell mutagenicity**

### **Product:**

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

## **Carcinogenicity**

### **Product:**

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen



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### **Reproductive toxicity**

#### **Product:**

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

### **STOT - single exposure**

#### **Components:**

##### **2-aminoethanol:**

Exposure routes: Inhalation

Target Organs: Respiratory Tract

Assessment: May cause respiratory irritation.

### **STOT - repeated exposure**

#### **Product:**

Remarks: No data available

### **Aspiration toxicity**

#### **Product:**

May be harmful if swallowed and enters airways.

### **Further information**

#### **Product:**

Remarks: Health injuries are not known or expected under normal use.

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Product:**

Toxicity to fish : Remarks: No information available.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No information available.

Toxicity to algae : Remarks: No information available.

#### **Components:**

##### **citric acid:**

Toxicity to fish : LC100 : 625 mg/l

##### **Triclosan:**

Toxicity to fish : LC50 (Fish): 0.54 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 : 0.191 mg/l

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aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 : 0.78 mg/l  
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 100

### **Propylene Glycol:**

Toxicity to fish : LC50 (Fish): 40,613 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : 18,340 mg/l  
Exposure time: 48 h

## **12.2 Persistence and degradability**

### **Product:**

Biodegradability : Remarks: No information available.

## **12.3 Bioaccumulative potential**

### **Components:**

#### **Triclosan:**

Partition coefficient: n-octanol/water : log Pow: 4.76

## **12.4 Mobility in soil**

### **Product:**

Mobility : Remarks: No information available.

## **12.5 Results of PBT and vPvB assessment**

### **Product:**

Assessment : Based on available data, the classification criteria are not met.

## **12.6 Other adverse effects**

### **Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : Dispose of in accordance with local regulations.  
Offer surplus and non-recyclable solutions to a licensed disposal company.

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Contaminated packaging : Do not re-use empty containers.

### **SECTION 14: Transport information**

#### **14.1 UN number**

**ADR** : UN 3082

**IMDG** : UN 3082

**IATA** : UN 3082

#### **14.2 UN proper shipping name**

**ADR** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Triclosan)

**IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Triclosan)

**IATA** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Triclosan)

#### **14.3 Transport hazard class(es)**

**ADR** : 9

**IMDG** :

**IATA** :

#### **14.4 Packing group**

**ADR**  
Packing group : III  
Classification Code : M6  
Labels : 9

**IMDG**  
Packing group : III

**IATA**  
Packing group : III

#### **14.5 Environmental hazards**

**ADR**  
Environmentally hazardous : yes

**IMDG**  
Marine pollutant : yes

#### **14.6 Special precautions for user**

Not applicable

#### **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Remarks : No information available.

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### **SECTION 15: Regulatory information**

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

		Quantity 1	Quantity 2
9a	Dangerous for the environment	100 t	200 t

#### **The components of this product are reported in the following inventories:**

REACH	: Not in compliance with the inventory
CH INV	: The formulation contains substances listed on the Swiss Inventory
TSCA	: On TSCA Inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL.
AICS	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory

#### **15.2 Chemical Safety Assessment**

No information available.

### **SECTION 16: Other information**

#### **Full text of R-Phrases**

R20/21/22	: Harmful by inhalation, in contact with skin and if swallowed.
R34	: Causes burns.
R36	: Irritating to eyes.
R36/38	: Irritating to eyes and skin.
R50	: Very toxic to aquatic organisms.
R53	: May cause long-term adverse effects in the aquatic environment.

#### **Full text of H-Statements**

H302	: Harmful if swallowed.
H312	: Harmful in contact with skin.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.

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### **Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.