

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**KLEENEX® Gel Hand Sanitiser**

Version	Revision Date:	SDS Number:	Date of last issue: 15.03.2019
1.13	05.08.2019	100000002838	Date of first issue: 16.04.2015

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

**1.1 Product identifier**

Trade name : KLEENEX® Gel Hand Sanitiser  
Product code : 6380, 6381, 6382, 6383

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

Use of the Substance/Mixture : Biocidal product

**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 : sdscontact@kcc.com  
Responsible/issuing person

**1.4 Emergency telephone number**

: +44 1865 407333  
This telephone number is available 24 hours per day, 7 days per week.  
National Poison Centre – Poison Information Service  
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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

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

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Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
**Storage:**  
P403 + P235 Store in a well-ventilated place. Keep cool.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Mixture

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Tetradecanol	112-72-1 204-000-3	Eye Irrit. 2; H319 Aquatic Chronic 1; H410	>= 1 - < 2.5
Substances with a workplace exposure limit :			
Ethanol	64-17-5 200-578-6	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 70 - < 90
Glycerol	56-81-5		>= 1 - < 10

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	200-289-5		
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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.  
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : No hazards which require special first aid measures.
- In case of skin contact : Not required under normal use.
- In case of eye contact : If in eyes, rinse with water for 15 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.  
Consult a physician if necessary.

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

- Risks : Causes serious eye irritation.

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

- Treatment : No information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : Water spray jet

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

- Specific hazards during firefighting : Highly flammable liquid and vapour.
- 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.

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Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Standard procedure for chemical fires.

### SECTION 6: Accidental release measures

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

Personal precautions : Ensure adequate ventilation.  
Remove all sources of ignition.

#### 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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Shovel into suitable container for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

### 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 : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

Hygiene measures : General industrial hygiene practice.

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

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.

#### 7.3 Specific end use(s)

Specific use(s) : Biocidal product

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form	Control parameters	Basis
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		of exposure)		
Ethanol	64-17-5	TWA	1,000 ppm 1,920 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			
Glycerol	56-81-5	TWA (Mist)	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			

**8.2 Exposure controls**

**Personal protective equipment**

- Eye protection : Not required under normal use.
- Hand protection  
Remarks : not required under normal use
- Skin and body protection : Not required under normal use.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Protective measures : No special protective equipment required.

**SECTION 9: Physical and chemical properties**

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

- Appearance : gel
- Colour : colourless
- Odour : alcohol-like
- pH : 8.0
- Melting point/range : < -20 °C
- Boiling point/boiling range : 85 °C
- Flash point : 14 °C
- Upper explosion limit : 15 %(V)
- Lower explosion limit : 3.5 %(V)
- Density : 0.833 - 0.843 g/cm<sup>3</sup>
- Solubility(ies)  
Water solubility : partly miscible
- Auto-ignition temperature : > 425 °C

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Viscosity  
Viscosity, dynamic : 250 mPa.s

**9.2 Other information**

No data available

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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

Not classified as a reactivity hazard.

**10.2 Chemical stability**

Stable

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Keep away from oxidizing agents, and acidic or alkaline products.

**10.4 Conditions to avoid**

Conditions to avoid : Heat, flames and sparks.

**10.5 Incompatible materials**

Materials to avoid : Oxidizing agents

**10.6 Hazardous decomposition products**

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

Not classified based on available information.

**Components:**

**Tetradecanol:**

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

**Ethanol:**

Acute oral toxicity : LD50 (Rat, male and female): 10,470 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): 124.7 mg/l  
Method: OECD Test Guideline 403  
GLP: no

**Glycerol:**

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Acute oral toxicity : LD50 Oral (Mouse, male): 23,000 mg/kg  
Method: Acute toxicity estimate  
GLP: no

Acute inhalation toxicity : LC50 (Rat, male): > 2.75 mg/l  
Method: Acute toxicity estimate  
GLP: no

Acute dermal toxicity : LD50 Dermal (Guinea pig, male and female): 56,750 mg/kg  
Method: Acute toxicity estimate  
GLP: no

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Result: No skin irritation

**Components:**

**Tetradecanol:**

Result: No skin irritation

**Ethanol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes

**Glycerol:**

Species: Rabbit  
Method: No information available.  
Result: No skin irritation  
GLP: no

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

Result: Mild eye irritation

**Components:**

**Tetradecanol:**

Species: Rabbit  
Result: Eye irritation

**Ethanol:**

Species: Rabbit  
Method: OECD Test Guideline 405

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Result: Irritation to eyes, reversing within 21 days  
GLP: no

### **Glycerol:**

Species: Rabbit  
Assessment: No eye irritation  
Method: No information available.  
Result: No eye irritation  
GLP: no

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Product:**

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

#### **Components:**

##### **Tetradecanol:**

Result: Did not cause sensitisation on laboratory animals.

##### **Ethanol:**

Species: Mouse  
Assessment: Does not cause skin sensitisation.  
Method: OECD Test Guideline 429  
Result: Did not cause sensitisation on laboratory animals.  
GLP: no

##### **Glycerol:**

Test Type: Draize Test  
Exposure routes: Dermal  
Species: Humans  
Result: Does not cause skin sensitisation.

##### **Germ cell mutagenicity**

Not classified based on available information.

#### **Components:**

##### **Glycerol:**

Genotoxicity in vitro : Result: negative

##### **Carcinogenicity**

Not classified based on available information.



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### Components:

#### **Glycerol:**

Species: Rat, (male and female)  
Application Route: Oral  
Exposure time: 24 month(s)  
Frequency of Treatment: 1 daily

#### **Reproductive toxicity**

Not classified based on available information.

### Components:

#### **Glycerol:**

Effects on foetal development : Test Type: Two-generation study  
Species: Rat, male and female  
Application Route: Oral  
Dose: 2000 milligram per kilogram  
Frequency of Treatment: 1 daily

#### **STOT - single exposure**

Not classified based on available information.

### Product:

Remarks: Not applicable

#### **STOT - repeated exposure**

Not classified based on available information.

### Product:

Remarks: Not applicable

#### **Aspiration toxicity**

Not classified based on available information.

### Product:

No aspiration toxicity classification

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **Tetradecanol:**

Toxicity to fish : LC50 : 1 mg/l  
Exposure time: 96 h  
Remarks: Aquatic toxicity is unlikely due to low solubility.

Toxicity to daphnia and other aquatic invertebrates : EC50 : 3.2 mg/l  
Exposure time: 48 h

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Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.0016 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211  
GLP: yes

### Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

### Ethanol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 14,200 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): 5,012 mg/l  
Exposure time: 48 h  
Test Type: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 275 mg/l  
Exposure time: 72 h  
Test Type: static test

### Glycerol:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: No information available.  
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,955 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: No information available.  
GLP: no

## 12.2 Persistence and degradability

### Components:

#### Glycerol:

Biodegradability : Result: Readily biodegradable.

## 12.3 Bioaccumulative potential

### Components:

#### Tetradecanol:

Partition coefficient: n- : log Pow: 5.5

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octanol/water

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.  
Do not re-use empty containers.

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## SECTION 14: Transport information

### 14.1 UN number

ADR : UN 1987

IMDG : UN 1987

IATA : UN 1987

### 14.2 UN proper shipping name

ADR : ALCOHOLS, N.O.S.  
(Ethanol)

IMDG : ALCOHOLS, N.O.S.  
(Ethanol)

IATA : Alcohols, n.o.s.  
(Ethanol)

### 14.3 Transport hazard class(es)

ADR : 3

IMDG : 3

IATA : 3

### 14.4 Packing group

ADR

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Packing group : II  
Classification Code : F1  
Hazard Identification Number : 33  
Labels : 3  
Tunnel restriction code : (D/E)

**IMDG**

Packing group : II  
Labels : 3  
EmS Code : F-E, S-D

**IATA**

Packing instruction (cargo aircraft) : 364  
Packing instruction (LQ) : Y341  
Packing group : II  
Labels : Flammable Liquids

**14.5 Environmental hazards**

**ADR**

Environmentally hazardous : no

**IMDG**

Marine pollutant : no

**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**

Not applicable for product as supplied.

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**SECTION 15: Regulatory information**

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5,000 t	50,000 t
34	Petroleum products: (a) gasolines and naphthas,	2,500 t	25,000 t

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(b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 80.8 %, 825.61 g/l  
Volatile CMR compounds: 0 %  
Remarks: VOC content excluding water

### 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H319 : Causes serious eye irritation.  
H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Chronic : Chronic aquatic toxicity  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship;

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REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**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.

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