

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## **KLEENEX® Gel Hand Sanitiser (6380, 6381, 6382, 6383)**

Version 1.0

MSDS Number: 100000002838

Revision Date: 16.04.2015

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

#### **1.1 Product identifier**

Trade name : KLEENEX® Gel Hand Sanitiser (6380, 6381, 6382, 6383)

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

Use of the Sub-  
stance/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 Respon-  
sible/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

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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.

#### **2.2 Label elements**

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

Hazard pictograms :



Signal word : Danger

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Hazard statements	: H225 H319	Highly flammable liquid and vapour. Causes serious eye irritation.
Precautionary statements	: <b>Prevention:</b> P210  P233 <b>Response:</b> P305 + P351 + P338  P337 + P313  P370 + P378  <b>Storage:</b> P403 + P235	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Store in a well-ventilated place. Keep cool.

### 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 (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Substances with a workplace exposure limit :				
Ethanol	64-17-5 200-578-6	F; R11	Flam. Liq.2; H225 Eye Irrit.2; H319	>= 70 - < 90
glycerol	56-81-5 200-289-5			>= 1 - < 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.  
When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : No hazards which require special first aid measures.

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- In case of skin contact : This product is intended for use as a hand cleanser and is expected to contact the skin.
- 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 hazards which require special first aid measures.
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## **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 fire-fighting : 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.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Standard procedure for chemical fires.
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## **SECTION 6: Accidental release measures**

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

- Personal precautions : Ensure adequate ventilation.  
Remove all sources of ignition.
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### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

### 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 of exposure)	Control parameters	Basis
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.

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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.

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

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

Appearance : gel

Colour : colourless

Odour : alcohol-like

pH : 7.5 - 8.5

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

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.

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### 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

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:

##### Ethanol:

Acute oral toxicity : LD50 (Rat, female): 15,000 mg/kg

##### glycerol:

Acute oral toxicity : LD50 Oral (Mouse, male): 23,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male): > 2.75 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Guinea pig, male and female): 56,750 mg/kg

#### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Result: No skin irritation

#### Components:

##### glycerol:

Species: Rabbit

Exposure time: 24 h

Result: No skin irritation

#### Serious eye damage/eye irritation

Causes serious eye irritation.

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### **Product:**

Result: Irritating to eyes.

### **Components:**

#### **glycerol:**

Species: Rabbit

Exposure time: 20 s

Result: No eye irritation

### **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.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **glycerol:**

Genotoxicity in vitro

: Method: OECD Test Guideline 482

Result: negative

### **Carcinogenicity**

Not classified based on available information.

### **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**

### **Product:**

Remarks: Not applicable

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### **STOT - repeated exposure**

#### **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:**

##### **Ethanol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 14.2 g/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 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Test Type: static test

##### **glycerol:**

Toxicity to fish : LC50 (Fish): 54,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : 1,955 mg/l  
Exposure time: 48 h

### **12.2 Persistence and degradability**

#### **Components:**

##### **glycerol:**

Biodegradability : Result: Readily biodegradable

### **12.3 Bioaccumulative potential**

No data available

### **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



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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

## **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.

## **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 :  
IATA :

### **14.4 Packing group**

ADR  
Packing group : II  
Classification Code : F1  
Labels : 3  
IMDG  
Packing group : II  
IATA  
Packing group : II

### **14.5 Environmental hazards**

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### 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.

## SECTION 15: Regulatory information

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

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, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams)	2,500 t	25,000 t

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

REACH : This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

### 15.2 Chemical Safety Assessment

No information available.

## SECTION 16: Other information

### Full text of R-Phrases

R11 : Highly flammable.

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.

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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