

# Carex Hand Gel - Moisture Plus

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830  
Date of issue:12/09/2015 Revision date:12/09/2015 Supersedes:11/12/2015 Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Carex Hand Gel - Moisture Plus  
Type of product : Hand sanitiser

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Hand Sanitiser  
Use of the substance/mixture : Cosmetics, personal care products

##### 1.2.2. Uses advised against

No additional information available

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

PZ CUSSONS (UK) LIMITED  
3500 Aviator Way  
Manchester Business Park  
Manchester M22 5TG  
United Kingdom  
Tel: +44 (0)161 435 1000 (Office Hours), +44 (0) 800 581001 (24 hour voicemail)  
Email: [pzweb.general@pzcussons.com](mailto:pzweb.general@pzcussons.com)

#### 1.4. Emergency telephone number

Emergency number : Tel: +44 (0)161 435 1000 (Office Hours); +44 (0) 800 581001 (24 hour voicemail)

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226  
Full text of H statements : see section 16

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Warning  
Hazard statements (CLP) : H226 - Flammable liquid and vapour  
Precautionary statements (CLP) : P102 - Keep out of reach of children  
P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking  
P233 - Keep container tightly closed  
P370+P378 - In case of fire: Use alcohol resistant foam for extinction  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to a hazardous or special waste collection point

#### 2.3. Other hazards

No additional information available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl alcohol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, ES, FI, FR, GB, GR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SK)	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	60 - 80	Flam. Liq. 2, H225
Glycerin substance with national workplace exposure limit(s) (FR, GB, IT, PT)	(CAS No) 56-81-5 (EC no) 200-289-5	0 - 1.0	Not classified

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.
- First-aid measures after skin contact : If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries after inhalation : May have a narcotic effect at high concentrations. Avoid breathing vapours/spray.
- Symptoms/injuries after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
- Symptoms/injuries after eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if irritation persists.
- Symptoms/injuries after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Fire hazard : Flammable liquid and vapour.
- Explosion hazard : Exposed to ignition source, vapours can burn in open / explode if confined.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

- General measures : Avoid ignition sources. Ensure adequate ventilation. For further information refer to section 8: Exposure-controls/personal protection.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Avoid breathing dust, mist or spray. Eliminate all sources of ignition, avoid sparks, flames and do not smoke in risk area. Ensure adequate ventilation. Take up liquid spill into inert absorbent material, e.g.: sand/earth.
- Measures in case of dust release : Not applicable (Liquid).

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.

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Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

For containment : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillages. Collect all waste in suitable and labelled containers and dispose according local legislation.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Avoid breathing vapour or spray. Use product in well-ventilated area. Avoid ignition sources, heat or naked flames.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from heat. Keep container closed when not in use.

Incompatible materials : Strong acids, bases. Oxidizing agents.

Heat and ignition sources : Store away from direct sunlight or other heat sources. Remove all sources of ignition.

Storage area : Ensure adequate ventilation of the storage area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.

### 7.3. Specific end use(s)

refer to section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Glycerin (56-81-5)		
United Kingdom	Local name	Glycerol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> mist
Ethyl alcohol (64-17-5)		
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	5760 mg/m <sup>3</sup> (calculated)
United Kingdom	WEL STEL (ppm)	3000 ppm (calculated)

### 8.2. Exposure controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

Personal protective equipment : Handle in accordance with good industrial hygiene and safety practices. For certain operations, additional Personal Protection Equipment (PPE) may be required.

Materials for protective clothing : Not required for normal conditions of use

Hand protection : Not required for normal conditions of use

Eye protection : Avoid contact with eyes. Eye wash stations should be available in work areas.

Skin and body protection : Not required for normal conditions of use

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard protection : Eliminate all sources of ignition, avoid sparks, flames and do not smoke in risk area.

Consumer exposure controls : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Other information : Do not eat, drink or smoke during use.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Opaque liquid
Molecular mass	: Not applicable for a mixture
Colour	: White
Odour	: Characteristic Alcoholic odour.
Odour threshold	: No data available
pH	: 6.0 - 7.5 (Neat liquid)
pH solution	: 5.6 (pH of 1% solution in water at 22.5 °C)
Relative evaporation rate (butyl acetate=1)	: 3.0 for ETHANOL
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 85.2 °C at 99.7 kPa atmospheric pressure
Flash point	: 24 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour
Vapour pressure	: 40 mm Hg (ETHANOL)
Relative vapour density at 20 °C	: No data available
Relative density	: 0.88 ± 0.01 g/cm <sup>3</sup> at 20 °C ± 0.5 °C
Density	: 0.8790 g/cm <sup>3</sup> at 20 °C ± 0.5 °C
Solubility	: Water Miscibility: Miscible at high concentration (90%) but immiscible at lower concentration. Water: >= 90 % The 10%, 25% and 50% test solutions were all cloudy with the intensity decreasing as sample concentration increased. The 90% test still appeared to be miscible with no evidence of phase separation or cloudiness/presence of precipitate (All measurements carried out at 21.4 °C).  Ethanol: 1.0% - 50 % The test item was soluble with no phase separation observed at 1.0%, 10% and 50% solution (All measurements at 21.5 °C)  Acetone: For the 50% solution, the test solution was clear and no phase separation was observed. However, for the 1% solution, the test solution was slightly cloudy while for the 10% solution, the test solution was cloudy and a precipitate settled out on standing (All measurements at 21.5 °C).  Other Organic solvents: For solubility test in the organic solvents Chloroform, Hexane and Ethyl acetate, the test item was insoluble with immiscible phase separation observed at 1%, 10% and 50% solution. In the case of Ethyl acetate a precipitate was observed.
Log Pow	: No data available
Viscosity	: 8000 - 12000 cPs @ 20 °C (Brookfield DVI+, T bar, C Speed, 10 rpm)
Viscosity, kinematic	: Not required
Viscosity, dynamic	: Not required
Explosive properties	: Not explosive based on structural assessment of components but vapours may be explosive
Oxidising properties	: Not oxidising based on structural assessment of components
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable at normal conditions. Stable under use and storage conditions as recommended in section 7.

#### 10.3. Possibility of hazardous reactions

Minimal, Normally stable, does not react with water.

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### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids, bases. oxidizing agents.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Glycerin (56-81-5)

LD50 dermal rat	> 21900 mg/kg
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LD50 dermal rabbit	> 10000 mg/kg
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#### Ethyl alcohol (64-17-5)

LD50 oral rat	7060 mg/kg
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Skin corrosion/irritation : Not classified  
Based on available data, the classification criteria are not met  
pH: 6.0 - 7.5 (Neat liquid)

Serious eye damage/irritation : Not classified  
Based on available data, the classification criteria are not met  
pH: 6.0 - 7.5 (Neat liquid)

Respiratory or skin sensitisation : Not classified  
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified  
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified  
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified  
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified  
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified  
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified  
Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

#### Carex Hand Gel - Moisture Plus

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : 1170  
UN-No. (IMDG) : 1170  
UN-No. (IATA) : 1170  
UN-No. (ADN) : 1170  
UN-No. (RID) : 1170

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
Proper Shipping Name (IMDG) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
Proper Shipping Name (IATA) : Ethyl alcohol solution  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable  
Transport document description : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III, (D/E)  
Transport document description (IMDG) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III

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

##### ADR

Transport hazard class(es) (ADR) : 3  
Danger labels (ADR) : 3



##### IMDG

Transport hazard class(es) (IMDG) : 3  
Danger labels (IMDG) : 3



##### IATA

Transport hazard class(es) (IATA) : 3  
Hazard labels (IATA) : 3



##### ADN

Transport hazard class(es) (ADN) : Not applicable

##### RID

Transport hazard class(es) (RID) : Not applicable

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### 14.4. Packing group


Packing group (ADR)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III
Packing group (ADN)	: III
Packing group (RID)	: III

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Transport regulations (ADR)	: Subject to the provisions
Classification code (ADR)	: F1
Special provisions (ADR)	: 144, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T2
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	: 
Tunnel restriction code (ADR)	: D/E
EAC code	: •2YE

#### - Transport by sea

Transport regulations (IMDG)	: Subject to the provisions
Special provisions (IMDG)	: 144, 223
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Colourless, volatile liquids. Pure ETHANOL: flashpoint 13°C c.c. Explosive limits: 3.3% to 19% Miscible with water.
MFAG-No	: 127

#### - Air transport

Transport regulations (IATA)	: Subject to the provisions
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344

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PCA limited quantity max net quantity (IATA) : 10L  
PCA packing instructions (IATA) : 355  
PCA max net quantity (IATA) : 60L  
CAO packing instructions (IATA) : 366  
CAO max net quantity (IATA) : 220L  
Special provisions (IATA) : A3, A58, A180  
ERG code (IATA) : 3L

### - Inland waterway transport

Transport regulations (ADN) : Subject to the provisions

### - Rail transport

Transport regulations (RID) : Subject to the provisions

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

IBC code : Not applicable.  
IBC product name : Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*