

Product Hand Sanitizing Gel  
 Revision date 06 July 2017  
 Revision 1



## Safety Data Sheet (SDS)

### Section 1: Identification of the substance/preparation and of the company/undertaking

#### 1.1 Product identifier

<b>Product name</b>	<b>Hand Sanitizing Gel</b>
<b>Product no.</b>	<b>HPCSANIGEL</b>
<b>Synonyms, Trade names</b>	HPCSANIGEL

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

<b>Identified uses</b>	Hand Sanitiser.
<b>Uses advised against</b>	Any other purpose.

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

<b>Supplier</b>	Kitchenmaster NI Ltd 11 Comber Road Belfast BT8 8AN United Kingdom Tel: 028 9081477 02890812881 sales@kitchenmaster-ni.com
<b>Contact person</b>	

#### 1.4 Emergency telephone number

<b>Emergency telephone</b>	Emergency Telephone Number: 028 9081 4777 08:30 - 17:00 Monday to Thursday 08:30 - 16:30 Friday
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### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture

<b>Classification (EC 1272/2008)</b>	
Physical and chemical hazards	Flam. Liq 2- H225
Human health	Eye Irrit.2A - H319
Environment	Not classified

#### 2.2 Label elements

<b>Contains</b>	2,2'-iminodiethanol diethanolamine
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<b>Label in accordance with (EC) no. 1272/2008</b>	
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<b>Signal word</b>	Danger
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<b>Hazard statements</b>	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
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<b>Precautionary statements</b>	<b>Prevention</b> P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking. P280 Wear protective gloves/ protective clothing/eye protection/face protection. <b>Response</b> P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

**Storage**

P403 + P235 Store in a well-ventilated place. Keep cool.

**2.3 Other hazards**

None known.

**Section 3: Composition/identification of ingredients****3.1 Substance**

Not applicable.

**3.2 Mixtures**

Name	Product identifier	Reg. EU 1272/2008	%
Ethanol	CAS-No.: 64-17-5 EC No.: 200-578-6 REACH Reg No.: 01-2119457610-43	Eye Irrit.2A - H319, Flam. Liq 2 - H225	60-100%
2,2',2''-nitrioltriethanol	CAS-No.: 102-71-6 EC No.: 203-049-8		0.1-0.99%
2,4,4-TRICHLORO-2-HYDROXY-DIPHENYL ETHER	CAS-No.: 3380-34-5 EC No.: 222-182-2	Skin Irrit.2 - H315, Eye Irrit.2A - H319, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0.1-0.99%
glycerol	CAS-No.: 56-81-5 EC No.: 200-289-5 REACH Reg No.: 01-2119471987-18-0000		0.1-0.99%
2,2'-iminodiethanol diethanolamine	CAS-No.: 111-42-2 EC No.: 203-868-0	Acute Tox 4 - H302, Skin Irrit.2 - H315, Eye Dam. 1 - H318, STOT RE 2 - H373	0.001-0.009%

The full text for all hazard statements are displayed in section 16.

**Composition comments**

The data shown are in accordance with the latest EC Directives.

**Section 4: First aid measures****4.1 Description of first aid measures****General information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

**Inhalation**

If this product is inhaled, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.

**Ingestion**

Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Skin contact**

If this product contacts the skin, immediately flush the affected area with large amount of water for at least fifteen (15) minutes. If the product penetrates the clothing, promptly remove the contaminated clothing or shoes, and flush the affected area as described. Seek medical attention if irritation develops.

**Eye contact**

If this product contacts the eyes, gently flush eyes with lukewarm water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if worn. Seek medical attention if irritation persists. Avoid contaminating unaffected eye.

**4.2 Most important symptoms and effects, both acute and delayed****General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

Inhalation of high concentrations may cause drowsiness, headache, blurred vision, dizziness or nausea.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

Prolonged contact may cause redness, irritation and dry skin.

**Eye contact**

Irritating and may cause redness and pain. Causes serious eye irritation.

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

<b>Notes to the physician</b>	Treat symptomatically.
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**Section 5: Fire-fighting measures****5.1 Extinguishing media**

<b>Extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	High volume water jet.

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

<b>Hazardous combustion products</b>	During fire, toxic gases (CO, CO <sub>2</sub> ) are formed.
<b>Unusual fire &amp; explosion hazards</b>	Flammable vapours may spread to sources of ignition or accumulate in confined spaces.
<b>Specific hazards</b>	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). In the event of damage to packaging, floors may become slippery, avoid falls.

**5.3 Advice for firefighters**

<b>Special fire fighting procedures</b>	If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so. Dike and collect extinguishing water.
<b>Protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Do not touch or walk through spilled material. If necessary evacuate surrounding areas.
<b>For emergency responders</b>	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

**6.2 Environmental precautions**

<b>Environmental precautions</b>	Do not discharge onto the ground or into water courses.
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**6.3 Methods and material for containment and cleaning up**

<b>Spill clean up methods</b>	Stop leak if possible without risk. When dealing with a spillage, wear necessary protective equipment. Eliminate all ignition sources. Absorb spillage with non-combustible, inert absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage. Floors may become slippery, avoid falls.
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**6.4 Reference to other sections**

<b>Reference to other sections</b>	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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**Section 7: Handling and storage****7.1 Precautions for safe handling**

<b>Handling</b>	Read and follow manufacturer's recommendations. Use proper personal protection when handling (refer to Section 8). Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Wash thoroughly after handling.
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**7.2 Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Keep upright, locked up and out of reach of children. Keep the product in its original container. Store in cool dry areas away from direct sunlight or sources of ignition.
<b>Storage class</b>	Flammable liquid storage.

**7.3 Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	Use only according to directions. Replace and tighten cap after use.

**Section 8: Exposure controls/Personal protection****8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
Ethanol	OEL			1000 ppm		
Ethanol	WEL	1000 ppm	1920 mg/m <sup>3</sup>			
2,2',2''-nitrioltriethanol	OEL		5 mg/m <sup>3</sup>			
glycerol	OEL		10 mg/m <sup>3</sup>			
glycerol	WEL		10 mg/m <sup>3</sup>			
2,2'-iminodiethanol diethanolamine	OEL		1(IFV) mg/m <sup>3</sup>			
2,2'-iminodiethanol diethanolamine	WEL	[3] ppm	[13] mg/m <sup>3</sup>			

<b>Ingredient comments</b>	OEL - Occupational Exposure Limit - Ireland, Occupational Exposure Limits 2016. WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits.
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**8.2 Exposure Controls****Protective equipment**

<b>Engineering measures</b>	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
<b>Respiratory equipment</b>	Respiratory protection not required in normal conditions. In case of large scale spill in confined area: Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Use respiratory equipment with gas filter, type A: organic vapours (EN141). Consult manufacturer for specific advice.
<b>Hand protection</b>	Not normally required, however helpful for prolonged or repeated contact. Suggested material: Rubber (natural, latex) Consult manufacturer for advice.
<b>Eye protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
<b>Other protection</b>	Protective clothing not required for normal use of the product.
<b>Hygiene measures</b>	Observe normal hygiene standards. When using do not eat, drink or smoke.
<b>Process conditions</b>	Ensure that eye flushing systems and safety showers are located close by in the work place.

**Section 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Viscous gel.
<b>Colour</b>	Colourless.
<b>Odour</b>	Alcohol.
<b>Odour threshold - lower</b>	No information available.
<b>Odour threshold - upper</b>	No information available.
<b>pH-Value, Conc. Solution</b>	7.00

<b>pH-Value, Diluted solution</b>	No information available.
<b>Melting point</b>	No information available.
<b>Initial boiling point and boiling range</b>	No information available.
<b>Flash point</b>	< 37.00 °C
<b>Evaporation rate</b>	No information available.
<b>Flammability state</b>	No information available.
<b>Flammability limit - lower(%)</b>	No information available.
<b>Flammability limit - upper(%)</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density (air=1)</b>	No information available.
<b>Relative density</b>	0.85g/cm <sup>3</sup> @ 20.00 °C
<b>Bulk density</b>	No information available.
<b>Solubility</b>	Soluble in water.
<b>Decomposition temperature</b>	No information available.
<b>Partition coefficient; n- Octanol/Water</b>	No information available.
<b>Auto ignition temperature (°C)</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	Not classified as explosive.
<b>Oxidising properties</b>	No information available.

## **9.2 Other information**

<b>Molecular weight</b>	No information available.
<b>Volatile organic compound Other information</b>	No information available. None noted.

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## **Section 10: Stability and reactivity**

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### **10.1 Reactivity**

<b>Reactivity</b>	No specific reactivity hazards associated with this product.
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### **10.2 Chemical stability**

<b>Stability</b>	Stable under normal temperature conditions and recommended use
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### **10.3 Possibility of hazardous reactions**

<b>Hazardous reactions</b>	No specific reactivity hazards associated with this product.
<b>Hazardous polymerisation</b>	Hazardous polymerisation is not expected to occur under normal temperatures and pressures.
<b>Polymerisation description</b>	Unknown.

### **10.4 Conditions to Avoid**

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.
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**10.5 Incompatible materials**

**Materials to avoid** Keep away from incompatibles such as oxidizing agents, acids, alkalis.

**10.6 Hazardous decomposition products**

**Hazardous decomposition products** Fire creates: Toxic gases/vapours/fumes of carbon monoxide (CO), and carbon dioxide (CO<sub>2</sub>).

**Section 11: Toxicological information****11.1 Information on toxicological effects**

<b>Toxicological information</b>	No toxicological information for the overall finished product.
<b>Acute toxicity (Oral LD50)</b>	No information available.
<b>Acute toxicity (Dermal LD50)</b>	No information available.
<b>Acute toxicity (Inhalation LD50)</b>	No information available.
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Skin corrosion/irritation</b>	No information available.
<b>Respiratory sensitisation</b>	No information available.
<b>Skin sensitisation</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Specific target organ toxicity - Single exposure:</b>	
<b>STOT - Single exposure</b>	No information available.
<b>Specific target organ toxicity - Repeated exposure:</b>	
<b>STOT - Repeated exposure</b>	No information available.
<b>Inhalation</b>	Inhalation of high concentrations may cause drowsiness, headache, blurred vision, dizziness or nausea.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	Irritating and may cause redness and pain. Causes serious eye irritation.
<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
<b>Routes of entry</b>	No information available.
<b>Target organs</b>	Eyes, skin, digestive system, respiratory system, central nervous system.
<b>Aspiration hazards:</b>	No information available.
<b>Reproductive toxicity:</b>	No information available.

Name	LD50 oral	LD50 dermal	LD50 inhalation
Ethanol	>2000.00mg/kg Rat	>2000.00mg/kg Rabbit	>20.00mg/l (vapours) Rat 4 Hours

**Section 12: Ecological information****12.1 Toxicity**

<b>Acute toxicity - Fish</b>	No information available.
<b>Acute toxicity - Aquatic invertebrates</b>	No information available.
<b>Acute toxicity - Aquatic plants</b>	No information available.
<b>Acute toxicity - Microorganisms</b>	No information available.
<b>Chronic toxicity - Fish</b>	No information available.
<b>Chronic toxicity - Aquatic invertebrates</b>	No information available.
<b>Chronic toxicity - Aquatic plants</b>	No information available.
<b>Chronic toxicity - Microorganisms</b>	No information available.
<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the

**Eco toxicological information** environment.  
Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.

## 12.2 Persistence and degradability

**Degradability** The product is readily biodegradable.  
**Biological oxygen demand** No information available.  
**Chemical oxygen demand** No information available.

## 12.3 Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.  
**Bioaccumulation factor** No information available.  
**Partition coefficient; n-Octanol/Water** No information available.

## 12.4 Mobility in soil

**Mobility** The product is soluble in water.

## 12.5 Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** The product does not contain any PBT or vPvB Substances.

## 12.6 Other adverse effects

**Other adverse effects** None known.

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
Ethanol	LC50 96 Hours 15300.00mg/l Pimephales promelas (Fat-head Minnow)	EC50 48 Hours >10000.00mg/l Daphnia magna	

## Section 13: Disposal considerations

**Waste management** When handling waste, consideration should be made to the safety precautions applying to handling of the product.

## 13.1 Waste treatment methods

**Disposal methods** Dispose of waste and residues in accordance with local authority requirements.

## Section 14: Transport information

### 14.1 UN number

**UN no. (ADR)** UN1170  
**UN no. (IMDG)** UN1170  
**UN no. (IATA)** UN1170

### 14.2 UN proper shipping name

**ADR proper shipping name** ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**IMDG proper shipping name** ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**IATA proper shipping name** ETHANOL SOLUTION

### 14.3 Transport hazard class(es)

**ADR class** 3  
**IMDG class** 3  
**IATA class** 3

**Transport labels**

**14.4 Packing group**

ADR/RID/ADN packing group	II
IMDG packing group	II
IATA packing group	II

**14.5 Environmental hazards**

ADR	No
IMDG	No
IATA	No

**14.6 Special precautions for user**

EMS	F-E, S-D
Emergency action code	A3 A58 A148
Hazard no. (ADR)	33
Tunnel restriction code	(D/E)

**14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code**

Not applicable.

**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

<b>EU legislation</b>	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 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
<b>Approved code of practice</b>	Workplace Exposure Limits Guidance Note EH40/2005. 2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).
<b>Chemical safety assessment</b>	No chemical safety assessment has been carried out.

**Section 16: Other information**

<b>General information</b>	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
<b>Revision comments</b>	This is a first issue.
<b>Revision date</b>	06 July 2017
<b>Revision</b>	1
<b>Safety data sheet status</b>	Approved.

**Hazard statements in full**

<b>H225</b>	Highly flammable liquid and vapour.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H302</b>	Harmful if swallowed.
<b>H318</b>	Causes serious eye damage.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure .

**Disclaimer**

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of



the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.