

Product Hand Sanitizing Gel
 Revision date 09 April 2020
 Revision 2



Safety Data Sheet (SDS)

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

1.1 Product identifier

Product name	Hand Sanitizing Gel
Product no.	HPCSANIGEL
Synonyms, Trade names	HPCSANIGEL

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

Identified uses	Hand Sanitiser.
Uses advised against	Any other purpose.

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

Emergency telephone	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

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

2.2 Label elements

Contains	Ethanol
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Label in accordance with (EC) no. 1272/2008	
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Signal word	Danger
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Hazard statements	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
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Precautionary statements	Prevention P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. – No smoking.
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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.

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

Details of ingredients that contribute to the hazard classification

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	70-100%
2,2',2"-nitrilotriethanol	CAS-No.: 102-71-6 EC No.: 203-049-8	Eye Irrit.2A - H319	0.1-0.99%

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

Composition comments

The data shown is 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 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	Product intended for intermittent hand contact. Prolonged and repeated contact may cause drying or irritation to skin. If symptoms are observed, flush the affected area with large amount of water. Seek medical attention if irritation develops. If the product penetrates the clothing, promptly remove the contaminated clothing, and launder promptly.
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 degree 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

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

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

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Special fire fighting procedures	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.
Protective equipment for firefighters	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**

Personal precautions	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.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

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

Spill clean up methods	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

Reference to other sections	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**

Handling	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, unnecessary skin contact and eye contact. Do not eat, drink or smoke when using the product.
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7.2 Conditions for safe storage, including any incompatibilities

Storage precautions	Keep upright, locked up and out of reach of children. Keep the product in its original Container with caps tightly sealed. Store in cool dry areas away from direct sunlight or sources of ignition.
Storage class	Flammable liquid storage.

7.3 Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
Usage description	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 ³			
2,2',2''-nitrilotriethanol	OEL		5 mg/m ³			

Ingredient comments	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 (where local risk assessment indicates eye contact is likely)



Engineering measures	Not normally required when product is used as intended.
Respiratory equipment	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.
Hand protection	Not normally required when product is used as intended.
Eye protection	Not normally required. If local risk assessment suggests otherwise, use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
Other protection	Protective clothing not required for normal use of the product.
Hygiene measures	Observe normal hygiene standards. When using do not eat, drink or smoke.

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

Appearance	Viscous gel.
Colour	Colourless.
Odour	Alcohol.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	7.00
pH-Value, Diluted solution	No information available.
Melting point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	Approx 18 °C

Evaporation rate	No information available.
Flammability state	No information available.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	No information available.
Vapour pressure	No information available.
Vapour density (air=1)	No information available.
Relative density	0.85g/cm ³ @ 20.00 °C
Bulk density	No information available.
Solubility	Soluble in water.
Decomposition temperature	No information available.
Partition coefficient; n- Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	No information available.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound Other information	No information available. None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	No specific reactivity hazards associated with this product.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use
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10.3 Possibility of hazardous reactions

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

10.4 Conditions to Avoid

Conditions to avoid	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.
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10.6 Hazardous decomposition products

Hazardous decomposition products Fire creates: Toxic gases/vapours/fumes of carbon monoxide (CO), and carbon dioxide (CO₂).

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

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	Causes serious eye irritation.
Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
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.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	Eyes, skin, digestive system, respiratory system, central nervous system.
Aspiration hazards:	No information available.
Reproductive toxicity:	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**

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	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 Treat as flammable liquid. 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**

EU legislation	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.
Approved code of practice	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).
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	Revised for intended use as a hand sanitizing gel. Dispensed in small doses
Revision date	09 April 2020
Revision	2
Safety data sheet status	Approved.

Hazard statements in full

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.

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.