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

1.1 Product identifier — **Purehold Sanitising Hand Gel PH-GL-001**

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

Hand Sanitiser Gel.
Uses advised against: not available.

1.3 Details of the supplier of the safety data sheet

Pure Hold Ltd,
Unit 1, Catherington Business Park, Catherington Lane,
Catherington, Hampshire, PO8 0AQ, United Kingdom
Tel: +44 (0) 2392 299 100 Fax: 02392 299 104
E-mail: info@purehold.co.uk

1.4 Emergency telephone number

Tel: +44 (0) 2392 299 100 or +44 (0) 1604 592048
(9.00 am to 5.00 pm, Mon to Fri).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008: Flam Liq 2, H225; Eye Irrit 2, H319

Classification according to Directive 67/548/EEC: F, R11; Xi, R36

2.2 Label elements


Signal word: Danger

Hazard statements:
Highly flammable liquid and vapour
Causes serious eye irritation

Precautionary statements

- prevention: Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- response: 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.
- storage: Store in a well-ventilated place. Keep cool
- disposal: Dispose of contents/container to drains or incineration in accordance with local/national regulation

Supplemental information: None.

2.3 Other hazards — Vapours may form flammable or explosive mixtures with air.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures [a]

Declarable components	*Conc. (wt%)*	*EC No.*	*CAS No.*	*Reg. No.*	*Classification*[b]	
					67/548/EEC	*1272/2008*
Ethanol	>50	200-578-6	64-17-5	NA	F (highly flammable), R11; Xi (irritant), R36	Flam Liq 2, H225; Eye Irrit 2, H319
Propan-2-ol	<5	200-661-7	67-63-0	NA	F (highly flammable), R11; Xi (irritant), R36; R67	Flam Liq 2, H225; Eye Irrit 2, H319; STOT SE 3, H336
Propan-1-ol	<1	200-746-9	71-23-8	NA	F (highly flammable), R11; Xi (irritant), R41; R67	Flam Liq 2, H225; Eye Dam 1, H318; STOT SE 3, H336
Other components						
NA						

[a] NA: not available.

[b] See Section 16 'Other information' for full text of the R- and H-phrases.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation — If inhalation of the product is suspected, remove exposed person to fresh air, and give rest. If the patient continues to feel unwell, get prompt medical attention.

Skin — For severe contamination, remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation or other symptoms occur. Launder contaminated clothing before re-use.

Eye — 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.

Ingestion — If swallowed, wash out mouth thoroughly and give water to drink. Get prompt medical attention if symptoms occur. Do not induce vomiting, unless instructed by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed — Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed — Treat symptoms as they occur.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable	Use dry chemical powder, foam, carbon dioxide, dry sand or water spray.
Unsuitable	None.

5.2 Special hazards arising from the substance or mixture — The product is classified as highly flammable, and will burn if involved in a fire, producing smoke, and toxic fumes and gases. Vapours may form flammable or explosive mixtures with air.

5.3 Advice for firefighters — Remove containers from fire or cool them with water spray. Approved self-contained breathing apparatus and protective clothing must be used for all large fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures — For large spillage, ensure personal protection is worn. Keep unauthorised personnel from the spillage area. Ventilate area. Extinguish all sources of ignition and use only non-sparking equipment. Note product may produce a slip hazard. Follow prescribed procedures for responding to large spills and reporting to authorities.

6.2 Environmental precautions — Prevent product from entering water courses or drainage system, by bunding or absorption with an inert material.

6.3 Methods and material for containment and cleaning up — Stop the source of leak or release.
Wipe off with cloth or paper, and wash affected area with water and detergent.
Collect spill and place in suitable container for disposal.

6.4 Reference to other sections — For recommended personal protective equipment, see Section 8.
For disposal considerations, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling — Avoid eye contact with the product, and inhalation of vapours.
Do not use on damaged, sensitive or irritated skin. In case of contact rinse thoroughly with tepid water. Remove sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities — Keep container tightly closed. Store in a cool, well-ventilated place, away from direct sunlight.

7.3 Specific end use(s) — Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

EU limit values	None.

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UK limit values	Ethanol: WEL: 8 h TWA, 1920 mg/m^3 (1000 ppm). Propan-2-ol: WEL: 8 h TWA, 999 mg/m^3 (400 ppm); 15 min, 1250 mg/m^3 (500 ppm). Propan-1-ol: WEL: 8 h TWA, 500 mg/m^3 (200 ppm); 15 min, 625 mg/m^3 (250 ppm) (skin).
Other: human health (DNELs, DMELs)	Ethanol: DNELs: worker, short-term exposure, local effects, inhalation, 1900 mg/m^3; worker, long-term exposure, systemic effects, dermal, 343 mg/kg/day; worker, long-term exposure, systemic effects, inhalation, 3950 mg/m^3; general population, short-term exposure, local effects, inhalation, 950 mg/m^3; general population, long-term exposure, systemic effects, dermal, 206 mg/kg/day; general population, long-term exposure, systemic effects, inhalation, 114 mg/m^3; general population, long-term exposure, systemic effects, oral, 87 mg/kg/day. Propan-2-ol: DNELs: worker, long-term exposure, systemic effects, dermal, 888 mg/kg/day; worker, long-term exposure, systemic effects, inhalation, 500 mg/m^3; general population, long-term exposure, systemic effects, dermal, 319 mg/kg/day; general population, long-term exposure, systemic effects, inhalation, 89 mg/m^3; general population, long-term exposure, systemic effects, oral, 26 mg/kg/day. Propan-1-ol: DNELs: worker, short-term exposure, systemic effects, inhalation, 1723 mg/m^3; worker, long-term exposure, systemic effects, dermal, 136 mg/kg/day; worker, long-term exposure, systemic effects, inhalation, 268 mg/m^3; general population, short-term exposure, systemic effects, inhalation, 1036 mg/m^3; general population, long-term exposure, systemic effects, dermal, 81 mg/kg/day; general population, long-term exposure, systemic effects, inhalation, 80 mg/m^3; general population, long-term exposure, systemic effects, oral, 61 mg/kg/day.
Other: environmental (PNEC)	Ethanol: PNECs: freshwater, 0.96 mg/L; freshwater sediment, 3.6 mg/kg dry sediment; intermittent release, 2.75 mg/L; sewage treatment plant, 580 mg/L. Propan-2-ol: PNECs: freshwater, 140.9 mg/L; intermittent release, 140.9 mg/L; sewage treatment plant, 2251 mg/L; freshwater sediment, 552 mg/kg dry sediment; soil, 28 mg/kg dry soil. Propan-1-ol: PNECs: freshwater, 10 mg/L; intermittent release, 10 mg/L; sewage treatment plant, 96 mg/L; freshwater sediment, 22.8 mg/kg dry sediment; soil, 2.2 mg/kg dry soil.

8.2 Exposure controls

Engineering controls	Good general ventilation is recommended.
Personal protective equipment	The need for personal protective equipment should be based on a workplace risk assessment for the particular use. Avoid eye contact. Any PPE should be to European (EN) standards. Consult manufacturers concerning breakthrough times.
Environmental exposure controls	Not available.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Gel
Odour	Alcoholic
Odour threshold	Not available
pH	5.5
Melting/freezing point	–114.1 °C
Initial boiling point/range	78.5 °C
Flash point	21 °C
Flamm. or expl. limits	For ethanol, lower 3.3, upper 19 vol%
Vapour pressure	For ethanol, 5850 Pa at 20 °C
Vapour density	For ethanol,1.6 (air = 1)
Relative density	0.75-0.80
Solubilities	Water soluble
Viscosity	TBC

9.2 Other information Not available

SECTION 10: Stability and reactivity

10.1 Reactivity	Not available.
10.2 Chemical stability	Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	Not available.
10.4 Conditions to avoid	Avoid heat, flames, sparks and other sources of ignition,
10.5 Incompatible materials	Oxidizing agents.
10.6 Hazardous decomposition products	Not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met. Ethanol is classified as an eye irritant, and the product is expected to

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Serious eye damage/irritation	meet the criteria for classification. Reports for ethanol vary from not irritating to severely irritating. Vapours may cause eye irritation.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met. For ethanol: ACGIH classification A4 (not classifiable as a human carcinogen). Alcoholic beverages are carcinogenic to humans (Group 1) (IARC).
Reproductive toxicity	For ethanol: fetal alcohol syndrome is the name given to a collection of characteristic malformations that have been found in the infants and children of mothers who drank alcohol during pregnancy. Eye abnormalities have been reported, typically associated with facial anomalies, subnormal weight, delayed growth, and mental retardation.
STOT-single exposure	For ethanol: vapours may cause respiratory irritation, and drowsiness or dizziness.
STOT-repeated exposure	For ethanol: may cause fatty liver.
Aspiration hazard	Not classified due to lack of data.

SECTION 12: Ecological information

12.1 Toxicity	Not expected to be harmful to aquatic organisms.
12.2 Persistence and degradability	For ethanol: readily biodegradable.
12.3 Bioaccumulative potential	For ethanol: bioaccumulation potential low, due to low K_{ow}.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and vPvB assessment	Not available.
12.6 Other adverse effects	Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	The recommended method of disposal is incineration. Small amounts may be suitable for dilution and disposal via the drains. Use a licensed waste disposal contractor. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste. General EU requirements are given in the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive.

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SECTION 14: Transport information

14.1 UN Number	1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N O S (contains ethanol)
14.3 Transport hazard class(es)	3
14.4 Packing group	II
14.5 Environmental hazards	Not marine pollutant/environmentally hazardous
14.6 Special precautions for user	None
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	*UK*: Control of Substances Hazardous to Health Regulations 2002 (COSHH). Workplace Exposure Limits EH40/2005 (Second edition edition, published 2011), Health and Safety Executive. Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) (SI 2002 No. 2776), as amended.
15.2 Chemical safety assessment	Not available.

SECTION 16: Other information

Revisions	This SDS is the first version in EU Regulation 453/2010 format.
Abbreviations	DNEL, derived no-effect level; DMEL, derived minimum effect level; EC, effect concentration; IARC, International Agency for Research on Cancer; LC, lethal concentration; LD, lethal dose; PBT, persistent, bioaccumulative, and toxic; STOT RE, specific organ toxicity repeated exposure; STOT SE, specific target organ toxicity single exposure; TWA, time-weighted average; vPvB, very persistent, very bioaccumulative; WEL, UK workplace exposure limit.
References	Annex VI of Regulation 1272/2008 on *Harmonised Classification and Labelling for Certain Hazardous Substances*. Information on Registered Substances; Chemical Substance Search; European Chemicals Agency (ECHA), available at the ECHA website: http://echa.europa.eu. Existing Chemical Substances Information System (ESIS) available at the European Chemical Bureau website: http://ecb.jrc.ec.europa.eu/esis/. Supplier safety data sheets.

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Basis of classification	The mixture is self-classified on the basis of available information on the ingredients.
List of R-phrases	R11, highly flammable; R36, irritating to eyes; R41, risk of serious damage to eyes; R67, vapours may cause drowsiness and dizziness.
List of hazard statements	H225: Highly flammable liquid and vapour; H318: Causes serious eye damage; H319: Causes serious eye irritation; H336: May cause drowsiness or dizziness.
Training advice	None