

InSpec HG

Revision Date: 2020-03-11

Revision No. 1.0/EN

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

1.1 Product Identifier

Trade Name: InSpec HG

Product Number: NSHG-250ml, NSHG-500ml, NSHG-500ml, NSHG PUMP-500ML

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

Identified Uses:

Alcoholic hand gel

Uses advised against: Uses other than those identified are not recommended.

1.3 Details of the supplier of the safety data sheet

Redditch Medical (a division of Entaco Ltd), Unit 90 Heming Rd, Washford, Redditch, B98 0EA, United Kingdom.

Contact Details

Redditch Medical (a division of Entaco Ltd),

Unit 90 Heming Rd,

Washford, Redditch,

B98 0EA,

United Kingdom

Telephone number +44 (0) 1527 830940

Regulatory Email: craig.thomas@redditchmedical.com

1.4 Emergency telephone number

For medical or environmental emergency only:

Call + 44 (0) 1527 830940 (office hours, UK)

+ 44 (0) 7908 176679 (out-of-office hours, UK)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled in accordance with Regulation (EC) No 1272/2008.

Physical hazards: Flam Liq. 2 (H225)

Health hazards: Not classified

Environmental hazards: Not classified.

2.2 Label elements



Signal Word: Danger

Hazard Statements:

- H225 – Highly flammable liquid and vapour.

Precautionary Statements:

- P210 – Keep away from heat / sparks / open flames / hot surfaces. – No Smoking.
- P233 – Keep container tightly closed.
- P403 + P235 – Store in well-ventilated placed. Keep cool.
- P501 – Dispose of contents/container to an approved waste disposal plant

2.3 Other hazards

No other hazards known. The product does not contain components which are known to meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances

The product is a mixture (see sub-section 3.2 of this Safety Data Sheet).

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification according Regulation (EU) No 1272/2008 (CLP)	Notes	Content (% w/w)
Ethanol	200-578-6	64-17-5		Flam. Liq. 2 (H225)	-	85

Additional information:

For full text of Hazard (H) statements see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Inhalation:** Get medical attention / advice if affected person feels unwell. Move the individual from the area to fresh air
- Skin contact:** If skin irritation occurs: Get medical advice / attention.
- Eye contact:** Rinse cautiously with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Give plenty of water to drink. Get medical advice / attention if affected person feels unwell.
- Self-protection of first-aider:** Consider personal protective equipment as indicated in sub-section 8.2 of this Safety Data Sheet.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No known effects or symptoms in normal use.
Skin contact:	No known effects or symptoms in normal use.
Eye contact:	No known effects or symptoms in normal use.
Ingestion:	No known effects or symptoms in normal use.
General Information:	No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11 of this Safety Data Sheet.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing material: Carbon dioxide, dry powder, water spray. Fight larger fires with alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in the event of any fire, wear self-contained breathing apparatus and suitable personal protective equipment including gloves and eye / face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Turn off all sources of ignition. Ventilate the area.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up

Collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in a suitable container for disposal according to local / national regulations.

6.4 Reference to other sections

For personal protective equipment see sub-section 8.2 of this Safety Data Sheet. For disposal considerations on see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fires and explosions: Keep away from flames and hot surfaces. No smoking. Keep away from heat. Take precautionary measures against static discharges.

Measures to protect the environment: For environmental exposure controls see sub-section 8.2 of this Safety Data Sheet.

Advice on general occupational hygiene: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink, and animal feeding stuffs. Do not mix with other products unless advised by Redditch Medical. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep only in original container. Store in closed container in cool, well-ventilated place and in an upright position to avoid leakage. For conditions to avoid see sub-section 10.4 of this Safety Data Sheet. For incompatible materials see sub-section 10.5.

7.3 Specific end use(s)

No additional information.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Workplace exposure limits:

Air limit values, if available:

Ingredient(s) / Country	Long term exposure limit (8-hour TWA)	Short term exposure limits (STEL)	Reference / Legal Basis
Ethanol			
United Kingdom	1000 ppm (1920 mg/m ³)	n/a	UK EH40 WEL; Workplace Exposure Limits
Austria	1000 ppm (1900 mg/m ³)	2000 ppm (3800 mg/m ³)	MAK / TRK; Austrian OEL Regulation
Belgium	1000 ppm (1907 mg/m ³)	n/a	VLEP / GWBB
Denmark	1000 ppm (1900 mg/m ³)	2000 ppm (3800 mg/m ³)	Arbejdstilsynet; Executive Order on Limit Values for Substances and Materials (Denmark)
Finland	1000 ppm (1900 mg/m ³)	1300 ppm (2500 mg/m ³)*	HTO-arvot 2016, Ministry of Social Affairs and Health (Finland)
France	1000 ppm (1900 mg/m ³)	5000 ppm (9500 mg/m ³)	Restrictive statutory limit values; French Labour code / French Labour Ministry
Germany	500 ppm – AGS (960 mg/m ³ - AGS) / 200 ppm – DFG (380 mg/m ³ – DFG)	1000 ppm – AGS (1920 mg/m ³ – AGS)* / 800 ppm – DFG (1520 mg/m ³ – DFG)	DFG; Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area AGS; German Committee on Hazardous Substances
Hungary	1900 mg/m ³	7600 mg/m ³	Hungarian decree No. 25/2000 (IX.30)
Ireland	n/a	1000 ppm*	Health and Safety Authority – Code of Practice for the Chemical Agents Regulation (Ireland)
Spain	n/a	1000 ppm (1910 mg/m ³)*	Limit Values Spain, Royal Decree 374/2001

DNEL and PNEC Values

Human Exposure

DNEL oral exposure – Consumer (mg/kg bw)

Ingredients	Short term – Local effects	Short term – Systemic effects	Long term – Local effects	Long term – Systemic effects
Ethanol	No data available	No data available	No data available	87

DNEL dermal exposure – Worker (mg/kg bw)

Ingredients	Short term – Local effects	Short term – Systemic effects	Long term – Local effects	Long term – Systemic effects
Ethanol	No data available	No data available	No data available	343

DNEL dermal exposure – Consumer (mg/kg bw)

Ingredients	Short term – Local effects	Short term – Systemic effects	Long term – Local effects	Long term – Systemic effects
Ethanol	No data available	No data available	No data available	114

DNEL inhalation exposure – Worker (mg/m³)

Ingredients	Short term – Local effects	Short term – Systemic effects	Long term – Local effects	Long term – Systemic effects
Ethanol	No data available	No data available	No data available	950

DNEL inhalation exposure – Consumer (mg/m³)

Ingredients	Short term – Local effects	Short term – Systemic effects	Long term – Local effects	Long term – Systemic effects
Ethanol	No data available	No data available	No data available	206

Environmental Exposure

Environmental exposure - PNEC

Ingredients	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
Ethanol	0.96	0.79	No data available	580

Environmental exposure – PNEC, continued

Ingredients	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m ³)
Ethanol	3.6	2.9	0.63	No data available

Biological limits, if available: Not available.

Recommended monitoring procedures, if available: Not available.

Additional exposure limits under the conditions of use, if available: Not available.

8.2 Exposure controls

The following information applies for the uses indicated in sub-section 1.2 of this Safety Data Sheet.

If available, please refer to the product information sheet for application and handling instructions.

Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Engineering measures: Use only in well-ventilated areas

Personal Protective Equipment

Eye/face protection: Safety glasses are not required but care should be taken to avoid splashing into eyes when pouring or using.

Respiratory protection: Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

Hand protection: No special requirements under normal use conditions.

Other skin and body protection: No special requirements under normal use conditions.
Hygiene measures: No special requirements under normal use conditions.
Environmental Exposure Controls
General advice: Should not reach sewage water or drainage ditch undiluted or unneutralised.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the mixture.

		Method / remark
Physical State:	Liquid.	-
Colour:	Not available.	-
Odour:	Not available.	-
pH:	Not available.	-
Melting point /freezing point:	Not available.	-
Initial boiling point and boiling range:	Not available.	-
Flash point:	Not available.	-.
Evaporation rate:	Not available.	-
Flammability (solid, gas):	Not applicable.	-
Upper/lower flammability or explosive limits:	Not available.	-
Vapour pressure:	Not available.	-
Vapour density:	Not available.	-
Relative density:	Not available.	-
Density	Not available.	-
Solubility(ies)	Not available.	-
Partition coefficient: n-octanol/water:	Not available.	-
Auto-ignition temperature:	Not available.	-
Decomposition temperature:	Not available.	-
Viscosity:	Not available.	-
Explosive properties:	Not available.	Vapours may form explosive mixtures with air.
Oxidising properties:	Not oxidising.	-

The following substance data is provided for ingredients in the mixture / product:

Ethanol		Method / remark
Initial boiling point and boiling range:	78.4 °C	-
Upper/lower flammability or explosive limits:	2.5% (v) – 13.5% (v)	-
Vapour pressure	5800 Pa	@20 °C
Solubility(ies)	1000 g/L	@20 °C

9.2 Other information No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

Keep in a cool place. Keep container in a well-ventilated place.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No data is available on the mixture / product.

The following substance data is provided for ingredients in the mixture / product:

Ethanol		
Acute toxicity:	LD50 (Oral): 10000 mg/kg	Method – OECD Test Guideline 401 (EU B.1). Test species – rat. Exposure time – not available.
	LD50 (Dermal): > 15000 mg/kg	Method – OECD Test Guideline 402 (EU B.3). Test species – rat. Exposure time – not available.
	LD50 (Inhalation): > 50000 mg/m ³	Method – OECD Test Guideline 403 (EU B.2). Test species – rat. Exposure time – 4 hours.
Skin corrosion / irritation:	Not irritating	Method: Not available Test species – rat
Serious eye damage / irritation:	No information available.	
Respiratory or skin sensitisation:	No information available.	
Germ cell mutagenicity:	Non-carcinogenic	Method – Not available Test species – <i>S. typhimurium</i>
Carcinogenicity:	No information available.	
Reproductive toxicity:	Non-toxic	Method: Two generation study Test species: mice Exposure time: Two generations
STOT-single exposure:	No information available.	
STOT-repeated exposure:	No information available.	
Aspiration hazard:	The classifications of substances in the mixture e/ product are detailed in Section 3 of this Safety Data Sheet. No substances in the mixture / product are classified as an aspiration hazard (H304).	

SECTION 12: Ecological information

12.1 Toxicity

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

Ethanol		
Aquatic acute (short-term) toxicity		
Aquatic acute (short-term) toxicity – fish:	LC50: 11000 mg/l	Method – not available. Test species – <i>Salmo gairdneri</i> Exposure time – 96 hours.
Aquatic acute (short-term) toxicity – crustacea:	EC50: 5000 mg/l	Method – not available. Test species – <i>Ceriodaphnia dubai</i> Exposure time – 48 hours.
Aquatic acute (short-term) toxicity – algae:	EC50: 5000 mg/l	Method – not available. Test species – <i>Scenedesmus quadricauda</i> . Exposure time – 168 hours.
Aquatic acute (short-term) toxicity – marine species:	No information available.	
Toxicity to bacteria:	EC50: 6500 mg/l	Method – not available. Test species – <i>Pseudomonas putida</i> . Exposure time – 16 hours.
Aquatic chronic (long-term) toxicity		
Aquatic chronic (long-term) toxicity – fish:	NOEC: 250 mg/L	Method – not available. Test species – <i>Oryzias latipes</i> Exposure time – 163 days
Aquatic chronic (long-term) toxicity – crustacea:	EC50 454 mg/L	Method – not available. Test species – <i>Daphnia Magna</i>
	NOEC 9.6 mg/L	Exposure time – 10 days

12.2 Persistence and degradability

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

Ethanol	
Ready biodegradability – aerobic conditions:	No information available.

12.3 Bioaccumulative potential

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

Ethanol			
Partition coefficient:	n-octanol / water (Log Pow):	-0.35 (low potential for bioaccumulation)	Method: Not available
Bioconcentration Factor (BCF):	No information available.		

12.4 Mobility in soil

No information is available on the product / mixture.

The following substance data is provided for ingredients in the mixture / product:

Ethanol

Adsorption / Desorption to soil or sediment:	Low potential for adsorption (log P -0.35)
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12.5 Results of PBT and vPvB assessment

The mixture contains no components that are known to be Persistent, Bioaccumulative and Toxic (PBT), or very Persistent and very Bioaccumulative (vPvB).

12.6 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Waste from residues / unused product: The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

European waste catalogue: 16 03 05* - organic wastes containing dangerous substances.

Empty packaging recommendation: Disposes of observing national or local regulations.

Suitable cleaning agents: Water, if necessary, with cleaning agent.

SECTION 14: Transport information

	ADR/RID:	IMDG:	ICAO/IATA:	ADN:
14.1 UN number:	1170			
14.2 UN proper shipping name:	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3 Transport hazard class(es):	3 (FLAMMABLE LIQUIDS)	3 (FLAMMABLE LIQUIDS)	3 (FLAMMABLE LIQUIDS)	3 (FLAMMABLE LIQUIDS)
14.4 Packing group:	II	II	II	II
Labels:	3	3	3	3
EmS	-	F-E, S-D	-	-
Classification code:	F1	-	-	-
Tunnel restriction code:	D/E	-	-	-
Hazard identification number:	33	-	-	-
14.5 Environmental hazards				
Environmentally hazardous:	No	No	No	No
Marine pollutant:	No			
14.6 Special precautions for user:	None known			
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:	Not applicable – the product is not transported in bulk containers.			

SECTION 15: Regulatory information

This Safety Data Sheet is compiled in accordance with the requirements of Regulation (EC) No 1907/2006 (REACH), amended by Regulation (EU) 2015/830.

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

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15.2 Chemical safety assessment

Not available for this product / mixture.

SECTION 16: Other information

The information is given in good faith and is based upon current available data. The suitability of this product for any particular use is not suggested. The user must determine if the product is correct for any particular application; 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. This document is not a warranty or specification. This document does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

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Revision Note:

The following updates have been made in this revision of the Safety Data Sheet: overall formatting updated and minor revisions to wording made in some sections; Section 1 – updates to supplier's contact details; Section 2 – classification of mixture updated in accordance with Regulation (EC) No. 1272/2008 (CLP), including updated hazard pictograms, signal word, hazard statements and precautionary statements; Section 3 – updates to include REACH registration numbers and EEC numbers for mixture ingredients; Section 8 – occupational exposure limits for ingredients in mixture updated.

Key literature references and sources for data:

Safety Data Sheet (Ver. 3.0), the ECHA classification and labelling Inventory, the Health and Safety Executive's (UK) EH40/2005 Workplace exposure limits, GESTIS Substance Databased (Occupational Exposure Limits).

Full text of the H and EUH phrases mentioned in section 3:

- H225 – Highly flammable liquid or vapour.

Abbreviations and acronyms:

- AISE – The international association for soaps, detergents and maintenance products.
- DNEL – Derived no effect level.
- PBT – Persistent, Bioaccumulative and Toxic.
- REACH number – REACH registration number, without supplier specific part.
- vPvB – very Persistent and very Bioaccumulative.
- STOT – specific target organ toxicity.
- TWA – time weighted average.
- STEL – short term exposure limit.
- ADR / RID – European Agreement concerning the International Carriage of Dangerous Goods by Road / Regulation concerning the International Carriage of Dangerous Goods by Rail.
- IMDG – International Maritime Dangerous Goods Code.
- ICAO / IATA – International Civil Aviation Organization / International Air Transport Association.
- ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- MARPOL – International Convention for the Prevention of Pollution from Ships.

End of Safety Data Sheet