

Document Title:  
MSDS:  
Revision:  
Date:

Material Safety Data Sheet  
Relisan Alcohol Hand Gel  
V1 (03.20)  
09/03/2020



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# Material Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1. Identification of the substance or preparation

Product name: **Relisan Alcohol Hand Gel**  
Product codes: 5604, 5606, 886, 887, 888

### 1.2. Use of substance/ preparation

Personal care product.

### 1.3. Company/ undertaking identification

Reliance Medical Ltd.  
West Avenue,  
Talke, Stoke-on-Trent,  
Staffordshire ST7 1TL

T: +44 8456 448808  
E: monika.bogucka@reliancemedical.co.uk

### 1.4. Emergency telephone

National Poisons Information Service (UK) 0844 8920111 (Health Professionals only)  
National Health Service (UK) 111

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 2 - H225
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Not Classified

### 2.2. Label elements

#### Pictogram



#### Signal word

Danger

#### Hazard statements

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



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**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with national regulations.

**Supplementary precautionary statements** P233 Keep container tightly closed.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable.

### 3.2. Composition

Chemical name	CAS No.	EC No.	%	Classification 1999/45/EC	Classification (EC) No 1272/2008
Ethanol	64-17-5	200-578-6	55-100	F; R1. Xi; R41	H225, H319

See Section 16 for full text of the R Phrases and H statements declared above.

There is no additional ingredient present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**Eye contact** Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and take to hospital immediately.

**Skin contact** Seek medical attention if irritation develops or persists. Wash with warm soapy water.

**Ingestion** Rinse out mouth with water. DO NOT INDUCE VOMITING.

**Inhalation** Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable of breathing. Get medical attention if any discomfort continues.

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

**Inhalation** Exposure to high concentrations may cause dizziness, headache, dry/sore throat, coughing. Upper respiratory irritation.

**Ingestion** Aspiration of the product into the lungs can cause fatal pneumonitis. May cause stomach pain or vomiting. Diarrhoea. May cause nausea, headache, dizziness and intoxication.

**Skin contact** Skin irritation.



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**Eye contact** Prolonged contact may cause redness and/or tearing. Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Water spray, fog or mist.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards during firefighting** Product is highly flammable. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Vapours may be ignited by a spark, a hot surface or an ember. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Solvent vapours may form explosive mixtures with air.

### 5.3. Advice for firefighter

**Protective actions during firefighting** Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Wear self-contained breathing apparatus.

**Special protective equipment** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

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

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.



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#### 6.4. Reference to other sections

For personal protection, see Section 8. For waste disposal, see section 13.

### SECTION 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from fire, sparks and heated surfaces. Avoid contact with eyes.

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

**Storage precautions** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

**Storage class** Flammable liquid storage.

#### 7.3. Specific end use(s)

No specific uses identified.

### SECTION 8. EXPOSURE CONTROL

#### 8.1. Control parameters

##### Occupational exposure limits

##### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

**DNEL** Industry - Inhalation; Short term local effects: 1900 mg/m<sup>3</sup>  
Industry - Dermal; Long term systemic effects: 343 mg/kg/day  
Industry - Inhalation; Long term systemic effects: 950 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term local effects: 950 mg/m<sup>3</sup>  
Consumer - Dermal; Long term systemic effects: 206 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 114 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 87 mg/kg/day

**PNEC** - Fresh water; Long term 0.96 mg/l  
- Marine water; Long term 0.79 mg/l  
- Sediment; Long term 3.6 mg/kg  
- Soil; Long term 0.63 mg/kg



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## 8.2. Exposure controls

### Protective equipment



- Eye/Face Protection** Recommended when manufacturing or when is a risk of the product getting in the eyes.
- Skin Protection** Gloves recommended when manufacturing. Wash hands after using product.
- Personal Hygiene** Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hand and face with soap and water before eating, drinking or smoking.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Colour</b>	From transparent clear to blue
<b>Physical state</b>	Gel
<b>Odour</b>	Characteristic
<b>pH</b>	6.5 – 7.5

### 9.2. Other information

None

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

Not known.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Alkali metals. Acetic anhydride.



## 10.6. Hazardous decomposition

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

The information in this section are based on ETHANOL.

#### Toxicological information

##### Acute toxicity - oral

Acute toxicity oral (LD <sub>50</sub> mg/kg)	10,470.0
Species	Rat
Notes (oral LD <sub>50</sub> )	Low toxicity.

##### Acute toxicity - dermal

Acute toxicity dermal (LD <sub>50</sub> mg/kg)	2,000.0
Species	Rabbit
Notes (dermal LD <sub>50</sub> )	Low toxicity.

##### Acute toxicity – inhalation

Acute toxicity (LC <sub>50</sub> vapours mg/l)	124.7
Species	Rat
ATE inhalation (vapours mg/l)	124.7

#### Skin corrosion/irritation

**Animal data** Not irritating.

#### Serious eye damage/irritation

Irritating.

#### Skin sensitisation

Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Negative.

#### Carcinogenicity

There is no evidence that the product can cause cancer.

#### Reproductive toxicity

This substance has no evidence of toxicity to reproduction.

#### Specific target organ toxicity - repeated exposure STOT

NOAEL 1730 mg/kg, Oral, Rat

#### General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

#### Inhalation

Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Coughing. Prolonged inhalation of high concentrations may damage respiratory system. Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Aspiration hazard if swallowed. Entry into the lungs



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	Following ingestion or vomiting may cause chemical pneumonitis.
<b>Ingestion</b>	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Irritating. Symptoms following overexposure may include the following: Dizziness. Nausea, vomiting. Swallowing concentrated chemical may cause severe internal injury. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
<b>Skin contact</b>	Product has a defatting effect on skin. May cause allergic contact eczema. May cause sensitisation or allergic reactions in sensitive individuals.
<b>Eye contact</b>	Severe irritation, burning and tearing. Risk of serious damage to eyes. A single exposure may cause the following adverse effects: Corneal damage.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

The information in this section are based on ETHANOL.

**Acute toxicity - fish** LC50, 96 hours: 15300 mg/l,  
Pimephales promelas (Fat-head Minnow), : 11200 mg/l, Onchorhynchus mykiss  
(Rainbow trout) 24 h

**Acute toxicity – aquatic invertebrates**  
EC<sub>50</sub>, 48 hours: > 10000 mg/l, Daphnia magna, : 858 mg/l,  
24 h  
Artemia salina.

### 12.2. Persistence and degradability

The product is expected to be biodegradable.

### 12.3. Bio accumulative potential

No data available on bioaccumulation.

### 12.4. Mobility in soil

The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**General information** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.



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**Disposal methods** Reuse or recycle products wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

#### SECTION 14. TRANSPORT INFORMATION

##### 14.1. UN number

UN No. (ADR/RID)	1170
UN No. (IMDG)	1170
UN No. (ICAO)	1170
UN No. (ADN)	1170

##### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper shipping name (IMDG)	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper shipping name (ICAO)	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper shipping name (ADN)	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

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

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3
Transport labels	



##### 14.4. Packing group

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



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#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No

#### 14.6. Special precautions for user

EmS F-E, S-D  
Emergency Action Code •2YE  
Hazard Identification Number (ADR/RID) 33  
Tunnel restriction code (D/E)

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

### SECTION 15. REGULATORY INFORMATION

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

*Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).*

*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 (as amended).*

*Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.*

*Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).*

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 15. REGULATORY INFORMATION

**General information** The product has been classified as a cosmetic. Always read the label and product information before use.

#### Key literature references and sources for data

Approved Supply List Dangerous Substances Directive Dangerous Preparations Directive

**Revision comments** SDS created in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended).

**Revision date** This is the first version of the MSDS

**Revision** N/A

**Supersedes date** 09/03/2020

#### Risk phrases in full

R11 Highly flammable

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R41 Risk of serious damage to eyes.  
R67 Vapours may cause drowsiness and dizziness.

**Hazard statements in full**

H225 Highly flammable liquid and vapour.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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