

# Safety Data Sheet



Revision Date 18-Apr-2016  
Version 1.04

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name Liqua-Gel

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

Recommended Use Professional Carpet Cleaning

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

Supplier Legend Brands Europe  
Chemspec  
22 Plover Close Interchange Park  
Newport Pagnell MK16 9PS, UK  
+44 (0) 1908 611211

For further information, please contact: [msds@chemspecworld.com](mailto:msds@chemspecworld.com)

### 1.4 Emergency telephone number

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

Europe 112  
Austria +43 1 406 43 43  
Belgium Poison center (BE): +32 70 245 245  
Denmark Poison Control Hotline (DK): +45 82 12 12 12  
Finland Poison Information Centre (FI): +358 9 471 977  
France ORFILA (FR): + 01 45 42 59 59  
Germany Poison Center Berlin (DE): +49 030 30686 790  
Poison Center Nord: +49 551 19240 (24h available English / German)  
Ireland National Poisons Information Centre (IE): +353 1 8379964  
Iceland +354 543 2222  
Italy Poison Center, Milan (IT): +39 02 6610 1029  
Luxembourg 112  
Netherlands National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)  
Norway Poisons Information (NO): + 47 22 591300  
Portugal Poison Information Center (PT): +351 21 330 3284  
Spain Poison Information Service (ES): +34 91 562 04 20  
Sweden Poisons Information Center (SV): +46 8 33 12 31  
Switzerland Poison Center: Tel 145; +41 44 251 51 51  
United Kingdom 111

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Aspiration toxicity	Category 1 - (H304)
Skin corrosion/irritation	Category 2 - (H315)

<b>Skin sensitization</b>	Category 1 - (H317)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H335)
<b>Acute aquatic toxicity</b>	Category 1 - (H400)
<b>Chronic aquatic toxicity</b>	Category 1 - (H410)
<b>Flammable liquids</b>	Category 3 - (H226)

## 2.2 Label elements



### Signal Word

Danger

### Hazard Statements

H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H336 - May cause drowsiness or dizziness  
H410 - Very toxic to aquatic life with long lasting effects  
H226 - Flammable liquid and vapor  
EUH066 - Repeated exposure may cause skin dryness or cracking

### Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection  
P331 - Do NOT induce vomiting  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Contains Petroleum Naphtha, Heavy Alkylate, D-limonene

## 2.3. Other Hazards

No information available

## 3. Composition/information on ingredients

### 3.1 Substances

This product is a mixture. Health hazard information is based on its components.

### 3.2 Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH Registration Number
Petroleum Naphtha, Heavy Alkylate	265-067-2	64741-65-7-LB	50 - 75	Asp. Tox. 1 (H304) Aquatic Chronic 4 (H413) Flam. Liq. 3 (H226) Skin Irrit 2 (H315) Drowsiness (H336)	01-2119471991-29-XX XX
D-limonene	227-813-5	5989-27-5	25 - 50	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1	no data available

				(H410) Flam Liq. 3 (H226)	
SILICON DIOXIDE, CHEMICALLY PREPARED	-	112945-52-5	2.5 - 10	no data available	01-2119379499-16-XX XX
POLY(OXY-1,2-ETHANEDIYL ) , A-HYDRO-O-HYDROXY-	-	25322-68-3	< 0.1	NA	no data available

**For the full text of the H-Statements mentioned in this Section, see Section 16**

## 4. First Aid Measures

### 4.1 Description of first-aid measures

<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

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

<b>Symptoms</b>	No information available.
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### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	Treat symptomatically.
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## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Extinguishing media which shall not be used for safety reasons**

No information available.

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

No information available.

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. Accidental Release Measures

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

#### **Personal precautions**

Ensure adequate ventilation, especially in confined areas.

#### **Advice for emergency responders**

For personal protection see section 8.

### 6.2 Environmental precautions

See Section 12 for additional Ecological information.

**6.3 Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically and collect in suitable container for disposal.

**6.4 Reference to other sections**

See section 8 for more information.

**7. Handling and storage****7.1 Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place.

**7.3 Specific end uses****Specific use(s)**

No information available

**Exposure scenario**

No information available.

**8. Exposure controls/personal protection****8.1 Control parameters****Exposure Limit Values**

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
D-limonene 5989-27-5					TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>
SILICON DIOXIDE, CHEMICALLY PREPARED 112945-52-5		TWA: 4 mg/m <sup>3</sup>				
POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY- 25322-68-3		STEL 4000 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup>				
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
D-limonene 5989-27-5	TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Skin					
POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY- 25322-68-3	TWA: 1000 mg/m <sup>3</sup>					
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
D-limonene	TWA: 25 ppm				STEL: 14 ppm	

5989-27-5	TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>				STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>	
SILICON DIOXIDE, CHEMICALLY PREPARED 112945-52-5					TWA: 4 mg/m <sup>3</sup>	
POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY- 25322-68-3					TWA: 1000 mg/m <sup>3</sup>	

TWA: Time weighted average  
 STEL: Short term exposure limit  
 LLV: Exposure Limit Values  
 STV: Short Term Value

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**8.2 Exposure controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

- Eye/Face Protection** Safety glasses with side-shields.
- Hand Protection** Protective gloves.
- Skin and body protection** Long sleeved clothing.
- Respiratory protection** No special protective equipment required.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**Environmental Exposure Controls** No information available.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear
<b>Color</b>	Colorless light yellow
<b>Odor</b>	Citrus
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>		Not Applicable
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>	48 °C / 118 °F	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>	0.85 g/cc	
<b>Water solubility</b>	Insoluble in water	
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

**Volatile organic compounds (VOC) content** 99%

## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

### 10.5 Incompatible Materials

No materials to be especially mentioned

### 10.6 Hazardous Decomposition Products

None under normal use conditions.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product Information

The product itself has not been tested.

<b>Inhalation</b>	There are no data available for this product.
<b>Eye contact</b>	There are no data available for this product.
<b>Skin contact</b>	There are no data available for this product.
<b>Ingestion</b>	There are no data available for this product.

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	8,756.00 mg/kg
<b>ATEmix (dermal)</b>	5,403.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	15.23 mg/l
<b>ATEmix (inhalation-vapor)</b>	61.00 mg/l

##### Unknown Acute Toxicity

- < 1% of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-limonene	4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	European Union
Petroleum Naphtha, Heavy Alkylate	Carc. 1B

<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Aspiration hazard</b>	Risk of serious damage to the lungs (by aspiration).

## 12. Ecological information

### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects Toxic to aquatic life with long lasting effects

6.241 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

#### Ecotoxicity effects

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Petroleum Naphtha, Heavy Alkylate	EC50: 72 h Pseudokirchneriella subcapitata 30000 mg/L		LC50: 48 h Mysidopsis bahia 2 mg/L
D-limonene		LC50: 96 h Pimephales promelas 0.619 - 0.796 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 35 mg/L	

#### 12.2 Persistence and degradability

No information available.

#### 12.3 Bioaccumulative potential

No information available.

#### 12.4 Mobility in soil

##### Mobility in soil

No information available.

#### 12.5 Results of PBT and vPvB assessment

No information available.

#### 12.6 Other adverse effects.

No information available.

## 13. Disposal Considerations

#### 13.1 Waste treatment methods

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Empty remaining contents.

## 14. Transport Information

#### ADR

14.1 UN	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

#### IMDG



<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code</b>	No information available

**IATA**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

## 15. Regulatory information

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

#### National regulatory information

##### Germany

Chemical Name	French RG number	Title
D-limonene 5989-27-5	RG 84	-

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### **Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Persistent Organic Pollutants**

Not applicable

#### International Inventories

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>NZIoC</b>	-

#### Legend

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## **15.2 Chemical Safety Assessment**

No information available

## **16. Other information**

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

#### **Full text of H-Statements referred to under section 3**

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H413 - May cause long lasting harmful effects to aquatic life

H336 - May cause drowsiness or dizziness

**Revision Date** 18-Apr-2016

**Revision Note** Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **Disclaimer**

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of Safety Data Sheet**