



**SAFETY DATA SHEET**  
according to Regulation (EU) 2015/830

**5G Lemon Gel**

Revision: 2  
Revision date: 24/08/2022

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

**1.1 Product identifier**

**Product name** 5G Lemon Gel

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

**Product Use** [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);

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

**Company Address** Ionic Products Ltd  
Blaris Industrial Estate, Altona Road, Lisburn, Co Antrim  
BT27 5QB  
United Kingdom  
**Web** [www.ionicproductsltd.com](http://www.ionicproductsltd.com)  
**Telephone** 028 9267 3331  
**Email:** [Info@ionicproductsltd.com](mailto:Info@ionicproductsltd.com)

**1.4 Emergency telephone number**

**Emergency telephone number** 028 9267 3331. In the event of a medical enquiry involving this product, please contact your GP or local A&E dept.  
Ireland: National Poisons Centre, Beaumont Hospital, Dublin 9  
Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)  
Tel: 01 809 2566 (health care professionals)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**2.1.2 Classification - EC 1272/2008** Eye Dam. 1: H318; Aquatic Chronic 3: H412  
EUH208: Contains fragrance. May produce an allergic reaction.

**2.2 Label elements**

**Hazard pictograms**



**Signal Word**

Danger

**Hazard Statement**

Eye Dam. 1: H318 - Causes serious eye damage.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

**Precautionary Statement: Prevention**

P264 - Wash thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P273 - Avoid release to the environment.

**Precautionary Statement: 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.  
P310 -Immediately call a POISON CENTER/doctor/ .

**Precautionary Statement: Disposal**

P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****EC 1272/2008**

Chemical name	Index No.	CAS No.	EC No.	REACH registration Number	Conc (%w/w)	Classification
Pine Oil		8000-41-7	232-268-1	01-2119553062-49-xxxx	0-1%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)		8051-30-7	931-329-6	01-2119490100-53	1-10%	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411;
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		68439-57-6	270-407-8	01-2119513401-57	1-10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/ .
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	Causes serious eye damage.
<b>Skin contact</b>	No irritation expected.
<b>Ingestion</b>	Irritant.

**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.
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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

	Use extinguishing media appropriate to the surrounding fire conditions.
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**5.2 Special hazards arising from the substance or mixture**

	Burning produces irritating, toxic and obnoxious fumes.
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**5.3 Advice for firefighters**

	Wear suitable respiratory equipment when necessary.
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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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**6.2 Environmental precautions**

	Do not allow product to enter drains. Prevent further spillage if safe.
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**6.3 Methods and material for containment and cleaning up**

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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**6.4 Reference to other sections**

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.
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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.
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**7.2 Conditions for safe storage, including any incompatibilities**

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. For incompatibilities refer to section 10.4.
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**7.3 Specific end use(s)**

	No specific advice for end use available.
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**SECTION 8: Exposure controls/personal protection****Exposure Pattern - Workers**

<b>Pine Oil</b>	Dermal; Short term systemic effects:	5 mg/kg/day
	Inhalation; Short term systemic effects:	5.8 mg/m <sup>3</sup>
	Dermal; Long term systemic effects:	1.17 mg/kg/day
<b>Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)</b>	Long-term - systemic effects, dermal	4,16 mg/kg bodyweight/day
	Long-term - local effects, dermal	0,09 mg/cm <sup>2</sup>
	Long-term - systemic effects, inhalation	73,4 mg/m <sup>3</sup>

**Exposure Pattern - General population**

<b>Pine Oil</b>	Dermal; Short term systemic effects:	2.5 mg/kg/day
	Inhalation; Short term systemic effects:	1.25 mg/m <sup>3</sup>
	Dermal; Long term systemic effects:	0.42 mg/kg/day
	Inhalation; Long term systemic effects:	0.42 mg/kg/day
	Inhalation; Long term systemic effects:	1.25 mg/m <sup>3</sup>
	Oral; Long term systemic effects:	0.42 mg/kg/day
<b>Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)</b>	Long-term - systemic effects,oral	6,25 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	21,73 mg/m <sup>3</sup>
	Long-term - systemic effects, dermal	2,5 mg/kg bodyweight/day
	Long-term - local effects, dermal	0,056 mg/cm <sup>2</sup>

**8.2 Exposure controls**

<b>8.2.1 Appropriate engineering controls</b> <b>8.2.2 Individual protection measures</b> <b>Eye / face protection</b> <b>Skin protection -</b> <b>Hand protection</b> <b>Respiratory protection</b>	 
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Wash hands after handling the product.
	Ensure adequate ventilation of the working area.
	Use appropriate personal protective equipment.
	Safety glasses. (EN166)
	Wash hands after handling the product. For prolonged contact protection for the skin may be necessary. (EN374)
Not normally required. Do not breathe gas/fumes/vapour/spray.	

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

<b>Appearance</b>	Gel
<b>Colour</b>	Yellow
<b>Odour</b>	Characteristic
<b>pH</b>	7.0
<b>Melting point</b>	Not determined
<b>Freezing Point</b>	Not determined
<b>Initial boiling point</b>	Not determined
<b>Flash point</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable to liquids
<b>Fat Solubility</b>	Not determined
<b>Partition coefficient</b>	Not determined
<b>Autoignition temperature</b>	Not determined
<b>Viscosity</b>	>10,000 cp @20°C
<b>Explosive properties</b>	Not explosive
<b>Oxidising properties</b>	Not oxidising
<b>Solubility</b>	Soluble in water
<b>Vapour pressure</b>	Not determined

**9.2 Other information**

<b>Conductivity</b>	Not determined
<b>Surface tension</b>	Not determined
<b>Specific gravity</b>	1.00 g/cm <sup>3</sup>

**SECTION 10: Stability and reactivity**

### 10.1 Reactivity

	No reactivity hazards known under normal storage and use conditions.
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### 10.2 Chemical stability

	Stable under normal conditions.
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### 10.3 Possibility of hazardous reactions

	No other adverse effects known.
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### 10.4 Conditions to avoid

	None.
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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Skin corrosion/irritation</b>	Irritating to eyes.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No carcinogenic effects reported.
<b>Reproductive toxicity</b>	No observed effect level.

#### 11.1.4 Toxicological Information

<b>Pine Oil</b>	Dermal Rat LD50: NDA Inhalation Rat LC50/4 h: NDA Oral Rat LD50: NDA
<b>Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)</b>	LD50 oral rat > 2000 mg/kg LD50 dermal rabbit > 2000 mg/kg
<b>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts</b>	Inhalation Rat LC50/>52h: 4 Oral Rat LD50: 6034 to 13500 mg/kg Dermal Rabbit LD50: NDA Dermal Guinea Pig LD50: NDA Dermal Rat LD50: NDA Oral Mouse LD50 NDA

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Pine Oil</b>	Algae EC50/72h: 68 mg/l Fish LC50/96h: 62-80 mg/l Daphnia EC50/48h: 73 mg/l
<b>Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)</b>	LC50 fish 1 2,4 mg/l EC50 Daphnia 1 3,2 mg/l ErC50 (algae) 3,9 mg/l NOEC (chronic) 0,07 mg/l
<b>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts</b>	Daphnia EC50/48h: 4.5300 mg/l Fish LC50/96h: 4.2000 mg/l Algae EC50/72h: 5.2 mg/l

### 12.2 Persistence and degradability

	No data is available on this product.
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### 12.3 Bioaccumulative potential

	No data is available on this product.
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### Partition coefficient

	No data is available on this product.
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### 12.4 Mobility in soil

	No data is available on this product.
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### 12.5 Results of PBT and vPvB assessment

	Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.
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### 12.6 Other adverse effects

	No other adverse effects known.
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### SECTION 13: Disposal considerations

<b>General information</b>	
	Dispose of in compliance with all local and national regulations.
<b>Disposal of packaging</b>	
	Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water.
<b>Further information</b>	
	European Waste Catalogue: 20 01 29.

### SECTION 14: Transport information

<b>14.1 UN number</b>	
	The product is not classified as dangerous for carriage.
<b>14.2 UN proper shipping name</b>	
	The product is not classified as dangerous for carriage.
<b>14.3 Transport hazard class(es)</b>	
<b>ADR/RID</b>	The product is not classified as dangerous for carriage.
<b>Subsidiary risk</b>	-
<b>IMDG</b>	The product is not classified as dangerous for carriage.
<b>Subsidiary risk</b>	-
<b>IATA</b>	The product is not classified as dangerous for carriage.
<b>Subsidiary risk</b>	-
<b>14.4 Packing group</b>	
<b>Packing group</b>	The product is not classified as dangerous for carriage.
<b>14.5 Environmental hazards</b>	
<b>Environmental hazards</b>	No
<b>Marine pollutant</b>	No
<b>ADR/RID</b>	
<b>Hazard ID</b>	-
<b>Tunnel Category</b>	-
<b>IMDG</b>	
<b>EmS Code</b>	-
<b>IATA</b>	
<b>Packing Instruction (Cargo)</b>	-
<b>Maximum quantity</b>	-
<b>Packing Instruction (Passenger)</b>	-
<b>Maximum quantity</b>	-

### SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
	<p>EU regulations:</p> <ul style="list-style-type: none"> <li>• Regulation(EC)No.1907/2006 - REACH</li> <li>• Regulation(EC)No1272/2008 - CLP</li> <li>• Regulation(EC)No.648/2004 - Detergents regulation</li> </ul> <p>Ingredients according to EC Detergents Regulation 648/2004  5 - 15%: Non ionic surfactants  Less than 5%: Soap, Anionic Surfactants  Other ingredients: Perfume, Preservatives</p>

<b>15.2 Chemical safety assessment</b>	
	A chemical safety assessment has not been carried out on the mixture.

### SECTION 16: Other information

<b>Other information</b>	
<b>Revision</b>	This document differs from the previous version in the following areas: Changes to sections: 2, 3, 4, 5, 6, 8, 11, 12, 13
<b>Acronyms</b>	<p>LC: Lethal concentration.  LD: Lethal dose.  NDA - No data available.  NOAEC: No observed adverse effect concentration.  NOAEL: No observed adverse effect level.  NOEC: No observed effect concentration.  NOEL: No observed effect level.  PBT: Persistent, bioaccumulative and toxic.</p>

<b>Text of Hazard Statements in Section 3</b>	SVHC. Substance of very high concern. vPvB. Very persistent and very bioaccumulative. *R01 - Polymer REACH number not available. Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Eye Dam. 1: H318 - Causes serious eye damage.
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<b>Further information</b>	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.  Internal ref: F000448
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