



**CHEMICAL SAFETY DATA SHEET**  
according to 1907/2006/EC Article 31, as amended by N°  
453/2010

2366200

Reviewed on: 12/09/19  
Printing date: 29/07/2020

**PRODUCT :** Common Lemon tree (Citrus limon L. Burman f.) hydroalcoholic glycerin macerate

*(continued of page 1)*

**SECTION 03: Composition/information on ingredients**

3.2 Chemical characterization: Mixtures

- Description:  
Mixture

- Dangerous components:

CAS Number		%
	<b>Alcohol</b>	<b>20,001-50,00</b>
	EC number: 200-578-6	
	Flam. Liq. 2 - H225; Eye Irrit. 2 - H319	

**SECTION 04: First aid measures**

4.1 Description of first aid measures

- General information:  
Seek immediate medical advice.
- After inhalation:  
Supply fresh air and to be sure call for a doctor.
- After skin contact:  
If skin irritation continues, consult a doctor.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:  
Seek immediate medical advice.
- Information for doctor:

4.2 Most important symptoms and effects, both acute and delayed  
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

**SECTION 05: Firefighting measures**

5.1 Extinguishing media

- Suitable extinguishing agents:  
CO2, sand, extinguishing powder. Do not use water.  
Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents:  
Water with full jet

5.2 Special hazards arising from the substance or mixture  
Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

- Protective equipment:  
Do not inhale explosion gases or combustion gases.
- Additional information  
Cool endangered receptacles with water spray.

**SECTION 06: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Keep away from ignition sources.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

*(continued on page 3)*

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*(continued of page 2)*

6.3 Methods and material for containment and cleaning up:  
Dispose of the material collected according to regulations.

6.4 Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 07: Handling and storage

• Handling:

7.1 Precautions for safe handling

Keep receptacles tightly sealed.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Handle with care. Avoid jolting, friction and impact.

• Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

• Storage:

• Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.  
Use only receptacles specifically permitted for this substance/ product.

• Further information about storage conditions:

Keep container tightly sealed.  
Protect from heat and direct sunlight.  
Store receptacle in a well ventilated area.

7.3 Specific end use(s)

No further relevant information available.

### SECTION 08: Exposure controls/personal protection

8.1 Control parameters

• Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

CAS No.	Designation of material	%	Type	Value	Unit
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.					

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

• Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

• Personal protective equipment:

• General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.

• Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

• Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection: Safety glasses

EU

*(continued on page 4)*

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*(continued of page 3)*

**SECTION 09: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	fluid
<b>Colour:</b>	brown-green
<b>Odour:</b>	alcoholic
<b>Odour threshold:</b>	Not determined.

**Change in condition**

<b>Initial boiling point and boiling range:</b>	Not determined.
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<b>Flash point:</b>	25,0 °C    NFT 60-103 CC
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<b>Flammability (solid, gas):</b>	Not determined.
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<b>Auto-ignition temperature:</b>	Not determined.
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<b>Explosive properties:</b>	Not determined.
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<b>Vapour pressure:</b>	Not determined.
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<b>Density:</b>	Not determined.
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**Solubility in / Miscibility with**

<b>water:</b>	Not determined.
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<b>Partition coefficient: n-octanol/water:</b>	Not determined.
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<b>9.2 Other information</b>	No further relevant information available.
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**SECTION 10: Stability and reactivity**

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:  
Not determined.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Not determined.

**SECTION 11: Toxicological information**

11.1 Information on toxicological effects

- Acute toxicity
- LD/LC50 values relevant for classification:

**ISO LD/LC**

**Alcohol**

Oral, LD50: 6200-15000 mg/kg (rat) (OECD 401 equivalent) Inhalative, LC50/4h: >50 mg/l (rat) (OECD 403 equivalent)

- Primary irritant effect:
- Skin corrosion/irritation

**Alcohol**

*(continued on page 5)*

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*(continued of page 4)*

- Irritation of skin, OECD 404 DRAIZE: NOT IRRITANT (Rabbit) (OECD 404)
- Serious eye damage/irritation

**Alcohol**

- Irritation of eyes, OECD 405 DRAIZE: CAT 2 IRRITANT (Rabbit) (OECD 405)  
Irritating effect.
- Respiratory or skin sensitisation  
No sensitizing effects known.
- Subacute to chronic toxicity:

**Alcohol**

- Oral, NOAEL: >3000 mg/kg (rat) (carcinogenicity) Oral, NOAEL: >4400 mg/kg (mouse) (Female, >4250 mg/kg Male)
- Additional toxicological information:  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant
- Germ cell mutagenicity

**Alcohol**

- OECD 471 AMES: NEGATIVE (in vitro) (OECD 471)
- Carcinogenicity  
Not determined.
- Reproductive toxicity  
Not determined.
- STOT-single exposure  
Not determined.
- STOT-repeated exposure  
Not determined.
- Aspiration hazard  
Not determined.

**SECTION 12: Ecological information**

12.1 Toxicity

- Aquatic toxicity:

**Alcohol**

CE50/48h: 12340 mg/l (daphnia) 96h-LC50: 13000 mg/l (fish)

12.2 Persistence and degradability

No further relevant information available.

- Behaviour in environmental systems:  
Not determined.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

- Ecotoxicological effects:  
Not determined.

12.5 Results of PBT and vPvB assessment

- PBT:  
Not applicable.
- vPvB:  
Not applicable.

12.6 Other adverse effects

No further relevant information available.

EU

*(continued on page 6)*

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*(continued of page 5)*

**SECTION 13: Disposal considerations**

13.1 Waste treatment methods

- Recommendation  
Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:  
Disposal must be made according to official regulations.

**SECTION 14: Transport information**

14.1 UN-Number

**ADR** UN1993

**IMDG** UN1993

**IATA** UN1993

14.2 UN proper shipping name

**ADR** 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

**IMDG** FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

**IATA** FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

14.3 Transport hazard class(es)

**ADR**  
**Class** 3 (F1) Flammable liquids.

**Label** **3**  


**IMDG**  
**Class** 3 Flammable liquids.  
**Label** **3**



**IATA**  
**Class** 3 Flammable liquids.  
**Label** **3**



14.4 Packing group

**ADR** III

**IMDG** III

**IATA** III

14.5 Environmental hazards:  
Not applicable.

14.6 Special precautions for user  
Warning: Flammable liquids.

*(continued on page 7)*

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*(continued of page 6)*

**Danger code (Kemler):** 30  
**EMS Number:** F-E,S-E

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
Not applicable.

- Transport/Additional information:  
Not applicable.

**Excepted quantities (EQ):** E1  
**Limited quantities (LQ)** 5L  
**Transport category** 3  
**Tunnel restriction code** D/E

**IMDG**

**Limited quantities (LQ)** 5L  
**Excepted quantities (EQ)** E1

- UN "Model Regulation":  
UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 3, III

**SECTION 15: Regulatory information**

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

- REGULATION (EC) No 1907/2006 ANNEX XVII  
Conditions of restriction: 3, 40
- National regulations:
- Waterhazard class:  
Generally not hazardous for water.

15.2 Chemical safety assessment:  
A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document.

The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

- Relevant phrases  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.
- Training hints  
Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.
- Abbreviations and acronyms:  
IFRA: International Fragrance Association IOFI: International Organization of the Flavor Industry  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals

*(continued on page 8)*

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*(continued of page 7)*

EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

- Sources  
IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information
- \* Data compared to the previous version altered.