Safety data sheet

according to 1907/2006/EC, Article 31, including amending Regulation (EU) 2020/878

Printing date 03.07.2024 *Version number 1.0* *Revision: 03.07.2024*

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

· **1.1 Product identifier**

· **Trade name:** **Emma Grün® Saunaaufguss Fruchtig Bio 100ml [MIT BIO ZITRUSÖLEN]**
· **UFI:** *XH00-60WU-V00S-TN2U*
· **1.2 Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
· **Application of the substance / the mixture** *Aromatherapy Oil*, Sauna

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Emma Grün GmbH
Benediktstrasse 4
86947 Weil
Germany

· **Further information obtainable from:** *product safety department*
· **1.4 Emergency telephone number:**
+49 160 7681645
During opening hours (Mon. - Fri. 9:00-17:00)

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Flam. Liq. 2 *H225 Highly flammable liquid and vapour.*

GHS07

Eye Irrit. 2 *H319 Causes serious eye irritation.*
Skin Sens. 1 *H317 May cause an allergic skin reaction.*

Aquatic Chronic 3 *H412 Harmful to aquatic life with long lasting effects.*

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**
(R)-p-mentha-1,8-diene
beta-Pinene
terpinolene

· **Hazard statements**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319	50-100%
CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412 substance with a Community workplace exposure limit	≥2,5-<10%

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CAS: 99-85-4 EINECS: 202-794-6	p-Mentha-1,4-diene Flam. Liq. 3, H226; Repr. 2, H361; Aquatic Chronic 2, H411	≥0,25-<2,5%
CAS: 127-91-3 EINECS: 204-872-5	beta-Pinene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0,25-<1%
CAS: 586-62-9 EINECS: 209-578-0	terpinolene Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≥0,25-<1%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

perfumes ((R)-p-mentha-1,8-diene, beta-Pinene, terpinolene, alpha-Terpineol, p-mentha-1,3-diene, Citral, Citral, GERANYL ACETATE)

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** If symptoms persist consult 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 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

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· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· **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 7: Handling and storage

· **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **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 in a cool location.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
· **Storage class (TRGS):** 3
· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
5989-27-5 (R)-p-mentha-1,8-diene	
AGW (Germany)	Long-term value: 28 mg/m³, 5 ppm 4(II);DFG, H, Sh, Y

· **DNELs**		
64-17-5 ethanol		
Dermal	DNEL Long-term – dermal, systemic effects	343 mg/kg_bw/d (Worker)
Inhalative	DNEL Long-term – inhalation, systemic effects	950 mg/m³/d (Worker)
	DNEL Acute - inhalation, local effects	1.900 mg/m³ (Worker)
5989-27-5 (R)-p-mentha-1,8-diene		
Dermal	DNEL Long-term – dermal, systemic effects	9,5 mg/kg_bw/d (Worker)
Inhalative	DNEL Long-term – inhalation, systemic effects	66,7 mg/m³/d (Worker)
99-85-4 p-Mentha-1,4-diene		
Dermal	DNEL Long-term – dermal, systemic effects	0,833 mg/kg_bw/d (Worker)
Inhalative	DNEL Long-term – inhalation, systemic effects	2.939 mg/m³/d (Worker)
127-91-3 beta-Pinene		
Dermal	DNEL Long-term – dermal, systemic effects	0,8 mg/kg_bw/d (Worker)
	DNEL Long-term – dermal, local effects	0,054 mg/kg bw/d (Worker)

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Inhalative	DNEL Long-term – inhalation, systemic effects	5,69 mg/m³/d (Worker)
586-62-9 terpinolene		
Dermal	DNEL Long-term – dermal, systemic effects	0,52 mg/kg_bw/d (Worker)
	DNEL Long-term – dermal, local effects	0,044 mg/kg bw/d (Worker)
Inhalative	DNEL Long-term – inhalation, systemic effects	3,6 mg/m³/d (Worker)

· **PNECs**	
64-17-5 ethanol	
PNEC short term, fresh water	0,96 mg/l (Aquatic organisms)
PNEC short term, sea water	0,79 mg/l (Aquatic organisms)
PNEC short term, sewage plant	580 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	3,6 mg/kg (Aquatic organisms)
PNEC short term soil	0,63 mg/kg (teresstric organisms)
PNEC short term sea water sediment	2,9 mg/kg (Aquatic organisms)
PNEC short term, intermittent releases	2,75 mg/l (Aquatic organisms)
PNEC secondary poisoning	72.000 mg/kg KG/d
5989-27-5 (R)-p-mentha-1,8-diene	
PNEC short term, fresh water	0,014 mg/l (Aquatic organisms)
PNEC short term, sea water	0,0014 mg/l (Aquatic organisms)
PNEC short term, sewage plant	1,8 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	3,85 mg/kg (Aquatic organisms)
PNEC short term soil	0,763 mg/kg (teresstric organisms)
PNEC short term sea water sediment	0,385 mg/kg (Aquatic organisms)
99-85-4 p-Mentha-1,4-diene	
PNEC short term, fresh water	0,003 mg/l (Aquatic organisms)
PNEC short term, sea water	0 mg/l (Aquatic organisms)
PNEC short term, sewage plant	10 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	0,49 mg/kg (Aquatic organisms)
PNEC short term soil	0,423 mg/kg (teresstric organisms)
PNEC short term sea water sediment	0,049 mg/kg (Aquatic organisms)
127-91-3 beta-Pinene	
PNEC short term, fresh water	0,00104 mg/l (Aquatic organisms)
PNEC short term, sea water	0,0001 mg/l (Aquatic organisms)
PNEC short term, sewage plant	3,26 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	0,337 mg/kg (Aquatic organisms)
PNEC short term soil	0,067 mg/kg (teresstric organisms)
PNEC short term sea water sediment	0,034 mg/kg (Aquatic organisms)
586-62-9 terpinolene	
PNEC short term, fresh water	0,000634 mg/l (Aquatic organisms)
PNEC short term, sea water	0,000063 mg/l (Aquatic organisms)
PNEC short term, sewage plant	0,2 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	0,147 mg/kg (Aquatic organisms)
PNEC short term soil	0,0291 mg/kg (teresstric organisms)
PNEC short term sea water sediment	0,0147 mg/kg (Aquatic organisms)

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· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
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.
Avoid contact with the eyes and skin.
· **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· **Hand protection**

Protective gloves

· **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/face protection**

Tightly sealed goggles

SECTION 9: Physical and chemical properties

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

· **Physical state**	Fluid
· **Colour:**	Colourless
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	-114,5 °C
· **Boiling point or initial boiling point and boiling range**	78 °C (64-17-5 ethanol)
· **Flammability**	Highly flammable.
· **Lower and upper explosion limit**	
· **Lower:**	3,5 Vol % (64-17-5 ethanol)
· **Upper:**	15 Vol % (64-17-5 ethanol)
· **Flash point:**	13 °C (64-17-5 ethanol)
· **Decomposition temperature:**	Not determined.
· **pH**	Not determined.
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.

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· **Dynamic:**	Not determined.
· **Solubility**	
· **water:**	Fully miscible.
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Vapour pressure:**	Not determined.
· **Density and/or relative density**	
· **Density at 20 °C:**	≥0,79 g/cm³
· **Relative density at 20 °C**	0,8051-0,8059
Not determined.	
· **Bulk density:**	≥790 kg/m³
· **Density (@15°C)**	Not determined.
· **Vapour density at 20 °C**	1,59 (Air =1)

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	425 °C
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· **Solvent content:**	
· **Organic solvents:**	≥97,6 %
· **VOC (EC)**	≥97,65 %
· **Change in condition**	
· **Evaporation rate**	Not determined.

· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Highly flammable liquid and vapour.
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.

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· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
64-17-5 ethanol		
Oral	LD50	7.060 mg/kg (rat)
Inhalative	LC50 (4h)	20.000 mg/l (rat)
Irritation of eyes	Spezifischer Konzentrationsgrenzwert (SCL)	>50 %
5989-27-5 (R)-p-mentha-1,8-diene		
Oral	LD50	4.400 mg/kg (rat)

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Causes serious eye irritation.
· **Respiratory or skin sensitisation** May cause an allergic skin reaction.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
64-17-5 ethanol	
LC50 (96h) mg/ltr.	13.000-15.300 mg/ltr (Fish)
EC50 (48h)	12.340 mg/l (Daphnia magna)
	5.012 mg/l (daphnia)
EC50 (72h)	275 mg/l (algae)
EC50 (48h)	857 mg/ltr. (Invertebrates)
EC50 (24h)	>10 mg/kg (Invertebrates)
EC10 (72h)	11,5 mg/ltr. (algae)
NOEC	>10 mg/l /21d (Daphnia magna)
	79 mg/l /10d (Palaemonetes pugio)
	9,6 mg/l /10d (daphnia)
5989-27-5 (R)-p-mentha-1,8-diene	
LC50 (96h) mg/ltr.	0,41 mg/ltr /(8d) (Fish)
EC50 (48h)	0,67 mg/ltr. /(8d) (Fish)

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127-91-3 beta-Pinene	
EC50 (3h)	326 mg/l (Microorganism)
586-62-9 terpinolene	
EC50 (3h)	69 mg/l (Microorganism)

· **12.2 Persistence and degradability** No further relevant information available.

· **Method**		
99-85-4	p-Mentha-1,4-diene	27%, 28d
99-87-6	p-cymene	88%, 14d
123-35-3	Myrcene	76%,28d
99-87-6	p-cymene	88%, 14d

· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects** No further relevant information available.
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**	
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP14	Ecotoxic

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **14.1 UN number or ID number**	
· **ADR, IMDG, IATA**	UN1170
· **14.2 UN proper shipping name**	
· **ADR**	1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
· **IMDG**	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

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· **IATA**	ETHANOL SOLUTION
· **14.3 Transport hazard class(es)**	
· **ADR, IMDG, IATA**	
· **Class**	3 Flammable liquids.
· **Label**	3
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	II
· **14.5 Environmental hazards:**	Not applicable.
· **14.6 Special precautions for user**	Warning: Flammable liquids.
· **Hazard identification number (Kemler code):**	33
· **EMS Number:**	F-E,S-D
· **Stowage Category**	A
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **Transport category**	2
· **Tunnel restriction code**	D/E
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **UN "Model Regulation":**	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)**

None of the ingredients is listed.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** P5c FLAMMABLE LIQUIDS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	97,6

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
· **VOC (EU)** ≥771,4 g/l
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Disclaimer**
This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.
· **Relevant phrases**
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
· **Contact:** MSDS authorized Person
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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Safety data sheet
according to 1907/2006/EC, Article 31, including amending Regulation (EU) 2020/878

Printing date 03.07.2024 Version number 1.0 Revision: 03.07.2024

Trade name: Sauna Spray – Lime-Lemon-Orange oil in Alcohol

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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)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Repr. 2: Reproductive toxicity – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3