

Citral

geranyl acetate

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Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EC Version number 1 Printing date 01.03.2023 Revision: 01.03.2023 SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier · Trade name: ERLA ONE SHOT JUST LEMON · 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 Odor removal and air freshener · 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: Melle Sp. z o. o. Stary Staw 9 63-400 OSTRÓW WLKP. POLAND • Further information obtainable from: Product safety department. zakupy@inter-global.com.pl • 1.4 Emergency telephone number: During normal opening times: 0048/62 737 88 00 **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation GHS02 flame H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. Aerosol 1 GHS07 Eve 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. · Hazard pictograms GHS02 GHS07 · Signal word Danger · Hazard-determining components of labelling: orange, sweet, ext. d-limonene

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· Hazard s	tatements
Н222-Н2	229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
Precauti	onary statements
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P410+P4	412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501	Dispose of contents/container to a waste container.
· 2.3 Othe	
· Results o	f PBT and vPvB assessment
	t applicable.
vPvB: No	ot applicable.
· Determir	nation of endocrine-disrupting properties
78-93-3	butanone List I

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• Description: Mixture: consisting of the following components.

CAS: 64-17-5	ethanol	<80%
EINECS: 200-578-6	♦ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: $C \ge 50 \%$	
CAS: 56539-66-3 EINECS: 260-252-4	3-Methoxy-3-methyl-1-butanol	<25%
CAS: 74-98-6 EINECS: 200-827-9	propane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	<15%
CAS: 106-97-8 EINECS: 203-448-7	butane, pure 🚯 Flam. Gas 1A, H220; Press. Gas (Comp.), H280	<15%
CAS: 8028-48-6 EINECS: 232-433-8	orange, sweet, ext. Flam. Liq. 3, H226; Sap. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	<10%
CAS: 5989-27-5 EINECS: 227-813-5	d-limonene Flam. Liq. 3, H226; Sap. Tox. 1, H304; Aquatic Acute 1, H400; Kin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	<3%
CAS: 18479-58-8 EINECS: 242-362-4	2,6-dimethyloct-7-en-2-ol	<3%
CAS: 5392-40-5 EINECS: 226-394-6	Citral Skin Irrit. 2, H315; Skin Sens. 1, H317	<3%

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CAS: 67-63-0 propan-2-ol	<3%
EINECS: 200-661-7 🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319; STOT SE 3, H33	36
CAS: 78-93-3 butanone	<3%
EINECS: 201-159-0 🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319; STOT SE 3, H33	36, EUH066
CAS: 105-87-3 geranyl acetate	<1%
EINECS: 203-341-5 🐼 Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3,	H412
Additional informations For the wording of the listed har and physical vefor to acction	. 16

· 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:
- Take affected persons out into the fresh air.
- Personal protection for the First Aider.
- 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: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- · 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.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 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.
- · Additional information Cool endangered receptacles with water spray.

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: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

- 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents
- 6.4 Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Information about fire - and explosion protection: Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

- Requirements to be met by storerooms and receptacles: Store in a cool location.
 Observe official regulations on storing packagings with pressurised containers.
 Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
- Keep container tightly sealed. Do not seal receptacle gas tight. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Ingredients with limit values that require monitoring at the workplace	.۲.
64-17-5 ethanol	
OEL Short-term value: 1000 ppm	
74-98-6 propane	
OEL Asphx	
106-97-8 butane, pure	
OEL Short-term value: 1000 ppm	
5392-40-5 Citral	
OEL Long-term value: 5 ppm Inhalable fraction and vapour	
67-63-0 propan-2-ol	
OEL Short-term value: 400 ppm Long-term value: 200 ppm Sk	
78-93-3 butanone	
OEL Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, IOELV	
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DNELs		(Contd. of page
64-17-5 e	ethanol	
Oral	consumers-long-term systemic exposure	87 mg/kg m.c. (consumers)
Dermal	consumer-long-term systemic effect	206 mg/kg m.c (consumers)
	workers-long-term systemic exposure	343 mg/kg m.c. (workers)
	workers-short-term systemic exposure	1,900 mg/kg m.c. (workers)
Inhalativ	alative consumer-long-term systemic effects 114 mg/m3 (consumers)	
	workers-long-term exposure inhalation	950 mg/kg/m.c. (workers)
PNECs		
64-17-5 e	ethanol	
Oral mic	croorganisms during wastewater treatment	580 mg/l (environment)
soi	1	0.63 mg/kg (environment)
sed	liment	3.6 mg/kg (environment)
ma	rine environment	0.79 mg/l (environment)
fres	shwater environment	0.96 mg/l (environment)
ST	D	2.75 mg/l (environment)

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

· 8.2 Exposure controls

- · Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures:
- Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

• 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

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.

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· Eye/face protection



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Tightly sealed goggles

9.1 Information on basic physical and chemical p	roperties
General Information	
Physical state	Aerosol
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	
range	Not applicable, as aerosol.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable, as aerosol.
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Soluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Aerosol
Important information on protection of health an	d
environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of
	explosive air/vapour mixtures are possible.
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard classe	'S
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container
	May burst if heated.

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Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Void	
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 flamm	able	
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.
- \cdot 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.

64-17-5 е	thanol	
Oral	LD50	7,060 mg/kg (rat)
Inhalative	e LC50/4 h	20,000 mg/l (rat)
106-97-8	butane, pu	re
Inhalative	e LC50/4 h	658 mg/l (rat)
5989-27-3	d-limonen	ie
Oral	LD50	4,400 mg/kg (rat)
5392-40-3	5 Citral	
Oral	LD50	4,960 mg/kg (rat)
67-63-0 р	ropan-2-ol	
Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	e LC50/4 h	30 mg/l (rat)
78-93-3 b	utanone	
Oral	LD50	3,300 mg/kg (rat)

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List II

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Dermal	LD50	5,000 mg/kg (rabbit)	
· Skin corr	osion/irrita	tion Based on available data, the classification criteria are not met.	
· Serious e	ve damage/	<i>irritation</i> 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

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SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability The product is biodegradable. Degree of biodegradation> 70%
- 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 For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · Remark: Toxic for fish
- Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water 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. Also poisonous for fish and plankton in water bodies. Toxic for 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.

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

• 14.1 UN number or ID number

· ADR, IMDG, IATA

UN1950

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14.2 UN proper shipping name	
ADR	1950 AEROSOLS
IMDG	AEROSOLS AEROSOLS flammable
	AEROSOLS, flammable
14.3 Transport hazard class(es)	
ADR	
Class	2 5F Gases.
Label	2.1
IMDG, IATA	
Class	2.1 Gases.
Label	2.1
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Gases.
Hazard identification number (Kemler code):	-
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat.
	SW22 For AEROSOLS with a maximum capacity
	litre: Category A. For AEROSOLS with a capacity at
	1 litre: Category B. For WASTE AEROSOLS: Categ
	C, Clear of living quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of
	litre:
	Segregation as for class 9. Stow "separated from" cla
	except for division 1.4.
	For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of clas
	For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of clas
14.7 Maritime transport in bulk according to IM	
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
······································	Not permitted as Excepted Quantity
Transport category	2

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· Tunnel restriction code	D
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

· 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

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

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· National regulations:

1. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

2. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 Local regulations.

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

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H220 Extremely flammable gas.

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- 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.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- *H411 Toxic to aquatic life with long lasting effects.*

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

· Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- Date of previous version: 01.03.2023
- 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
- 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)
- 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
- Flam. Gas 1A: Flammable gases Category 1A
- Aerosol 1: Aerosols Category 1
- Press. Gas (Comp.): Gases under pressure Compressed gas
- 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
- STOT SE 3: Specific target organ toxicity (single exposure) Category 3
- Asp. Tox. 1: Aspiration hazard Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment acute 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