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Safety data sheet according to ChemV 2015 - SR 813.11

Printing date 01:10.2018 Version 55 Revision: 01.10.2018 • SECTION 1: Identification of the substance/mixture and of the company/undertaking ••••••••••••••••••••••••••••••••••••			
• 1.1 Product identifier • Trade name: Melissenöl, nat./nat.id/ 01-4950 • Article number: P012061 • Pregistration number: • 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. • Application number: • 1.3 Details of the substance / the mixture Flavour/Fragrance • Hanufacture/Suppler • Fig. 2 Law Grabit Immenhactor/Suppler • Fig. 2 Law Grabit • Manufacture/Suppler • Fig. 2 Law Grabit • Further information obtainable form: Sackhundige Person Frey + Law Info@Fig.law.de • 1.4 Emergency telephone number: ++49-40-54.77.99.56 WAKO • SECTION 2: Hazards identification • 2.1 Classification according to Regulation (EC) No 1272/2008 Skin Int.2 H315 Gauses skin imitation. Eye Dam.1 H316 Gauses serious eye damage. Skin Son.1 H317 Gauses serious eye damage. Skin Son.1 H317 Aloy Gauses an elinger skin reacton.	Printing date 01.10.2	018 Version 55	Revision: 01.10.2018
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 Article number: P0120601 Registration number: 12 Relevant Identified uses of the substance or mixture and uses advised against No further relevant information available. 13 Details of the supplier: 13 Details of the supplier: 14 Relevant Identified uses of the safety data sheet Manufacturer/Supplier: 15 Yes & Law GmbH Immenhacken 12. 0-2455 Hensted-Ulzburg Tel++49-4193-9935 7 ar: +49-4193-9955 8-00 Further information obtainable from: Sachkundige Person Frey + Law Info@freyBau.de 14 Temergency telephone number: ++49-40-54.77.99.55 WAKO SECTION 2: Hazards identification 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Skin Irit. 2 H315 Causes skin irrlation. Eye Dam: 1 H319 Kauses serious eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction. Agaitic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life. Agaitic Acute 1 Generation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Association (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Association (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Association (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Association (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Association (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Association (EC) No 1272/2008 The product is classified an			
 Manufacturer/Supplier: Frey & Lau GmbH Immenhacken 12, D-24558 Henstedt-Ulzburg TrE1+449-4139-9353 Fax +49-4139-955-80 ⁵ <i>Puther information obtainable from:</i> Sachkundige Person Frey + Lau Info@freylau.de * 14 Emergency telephone number: ++49-40-54.77.99.56 WAKO SECTION 2: Hazards identification * 21 Classification of the substance or mixture Classification of the substance or mixture Classification of the substance or mixture Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Skin Irin. 2 H318 Causes skin initation. Eye Dam. 1 H318 Causes serious eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction. Aquatic Chronic 1 H410 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects. 21 abbit olements 41 abbiting according to Regulation (EC) No 1272/2008 The product is classified and labelied according to the CLP regulation. 41 abbiting according to Flagulation (EC) No 1272/2008 The product is classified and labelied according to the CLP regulation. 41 abbiting according to flabelling: 37-Dimethyl-26-octadien-3-ol 41 clabelling according to flabelling: 37-Dimethyl-26-octadien-3-ol 41 clabelling according to flabelling: 37-Dimethyl-16-octadien-3-ol 41 clabelling according to flabelling: 37-Dimethyl-16-octadien-3-ol 41 clabelling to skinterion. 41 abbiting to skinterion. 41 abbitit	∘ Article number: F ∘ Registration num ∘ 1.2 Relevant ide	20120661 bber - entified uses of the substance or mixture and uses advised aga	ainst No further relevant information available.
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 P331 Do NOT induce vomiting.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.
 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.

	acterisation: Mixtures of substances listed below with nonhazardous additions.	
Dangerous compon	ents:	
CAS: 5392-40-5	3,7-Dimethyl-2,6-octadien-1-al (cis und trans) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	>25-50%
CAS: 138-86-3	DIPENTENE Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	>20-<25%
CAS: 106-23-0 EINECS: 203-376-6	Citronellal Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	>10-20%
CAS: 115-95-7	3,7-Dimethyl-1,6-octadien-3-yl acetate Skin Irrit. 2, H315; Eye Irrit. 2A, H319	>5-<10%
CAS: 106-24-1	3,7-Dimethylocta-2,6-dien-1-ole Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	>5-<10%
CAS: 78-70-6	3,7-Dimethyl-1,6-octadien-3-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	>5-<10%
CAS: 106-22-9	dl-Citronellol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	>2,5-5%
CAS: 18172-67-3	beta-Pinene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	<i>≥</i> 1-<2,5%
CAS: 105-87-3 EINECS: 203-341-5	2,6-Octadien-1-ol-3,7-dimethylacetate Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥1-<2,5%
CAS: 7785-26-4	IalphaPinene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	<i>≥</i> 1-<2,5%
CAS: 98-55-5 EINECS: 202-680-6	alpha-Terpineol Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2,5%
CAS: 97-53-0	Eugenol Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0,1-<1%
CAS: 4602-84-0	Farnesol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0,1-<1%
CAS: 586-62-9	Terpinolene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	<i>≥</i> 0,1-<0,25



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. SECTION 4: First aid measures

• 4.1 Description of first aid measures

- General information:
- Immediately remove any clothing soiled by the product.
- Seek immediate medical advice. • 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.
- Seek immediate medical advice.
- ◊ After skin contact:
- Immediately wash with water and soap and rinse thoroughly.
- Seek medical treatment.
- ◊ After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

- Seek immediate medical advice.
- After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

• **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, sand, extinguishing powder. Do not use water.

- 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.

. 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: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent. Dispose contaminated material as waste according to item 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.

Information about fire - and explosion protection: No special measures required.

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° 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

- ◊ Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.

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

. SECTION 8: Exposure controls/personal protection

◊ Additional information about design of technical facilities: No further data; see item 7.

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

◊ 8.2 Exposure controls

- 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 skin.
- Avoid contact with the eyes and skin.

Respiratory protection: Not required.

- Protection of hands:
- Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- 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. The multichemical-resistant glove Barrier 02-100 is recommended.

Penetration time of glove material

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

Eye protection: Safety glasses

Tightly sealed goggles

. SECTION 9: Physical and chemical properties

° 9.1 Information on basic physical and chemical properties

◇ General Information
 ◇ Appearance:

Appearance:	
Form:	Fluid
Colour:	Yellowish
◊ Odour:	Characteristic
◊ Odour threshold:	Not determined.
◦ pH-value:○ Melting point/freezing point:	Not determined. Undetermined.
<i>∘ Flash point:</i>	62 °C
◊ Flammability (solid, gas):	Not applicable.

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 Decomposition temperature: 	Not determined.	
◇ Auto-ignition temperature:	Not determined.	
◦ Explosive properties:	Not determined.	
∘ Explosion limits: Lower: Upper:	Not determined. Not determined.	
 ▷ Density at 20 °C: ○ Relative density ○ Vapour density ○ Evaporation rate 	0,875 g/cm ³ Not determined. Not determined. Not determined.	
◦ Solubility in / Miscibility with water:	Not miscible or difficult to mix.	
 Partition coefficient: n-octanol/wa VOC (EC) 9.2 Other information 	ater: Not determined. 92,82 % No further relevant information available.	

. 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.
- 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 toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.
- ◇ Primary irritant effect:
- Skin corrosion/irritation
- Causes skin irritation.
- Serious eye damage/irritation
- Causes serious eye damage.
- Respiratory or skin sensitisation
- May cause an allergic skin reaction.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- 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

May be fatal if swallowed and enters airways.

. SECTION 12: Ecological information

- ◊ 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- ° 12.2 Persistence and degradability No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.

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• 12.4 Mobility in soil No further relevant information				
	on available.			
◊ Ecotoxical effects:				
Remark:				
Very toxic for fish				
Toxic for fish				
Very toxic for water fleas.				
Toxic for water fleas				
Very toxic for algae				
Toxic for algae				
 General notes: 	Additional ecological information: Construction:			
	and a monthly a vitra mally basarday a far water			
Water hazard class 3 (German Regulation) (Self-a				
	course or sewage system, even in small quantities.			
Must not reach sewage water or drainage ditch un				
Danger to drinking water if even extremely small qu	uantities leak into the ground.			
Also poisonous for fish and plankton in water bodie	es.			
Very toxic for aquatic organisms				
 12.5 Results of PBT and vPvB assessment 				
◇ PBT: Not applicable.				
<i>∨PvB:</i> Not applicable.				
• 12.6 Other adverse effects No further relevant inf	formation available.			
. SECTION 13: Disposal considerations				
○ 13.1 Waste treatment methods				
	with household garbage. Do not allow product to reach sewage system.			
 Recommendation Must not be disposed together w 				
	,			
◊ Uncleaned packaging:				
◊ Uncleaned packaging:				
◊ Uncleaned packaging:				
 Uncleaned packaging: Recommendation: Disposal must be made according SECTION 14: Transport information 				
 Uncleaned packaging: Recommendation: Disposal must be made according SECTION 14: Transport information 14.1 UN-Number 	ing to official regulations.			
 Uncleaned packaging: Recommendation: Disposal must be made according the second s				
 Uncleaned packaging: Recommendation: Disposal must be made according the second s	UN3082			
 Uncleaned packaging: Recommendation: Disposal must be made according the second s	ing to official regulations.			
 Uncleaned packaging: Recommendation: Disposal must be made according to the second secon	UN3082			
 Uncleaned packaging: Recommendation: Disposal must be made according the second s	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, beta-Pinene)			
 Uncleaned packaging: Recommendation: Disposal must be made according the second s	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, beta-Pinene) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,			
 Uncleaned packaging: Recommendation: Disposal must be made according the second s	Ing to official regulations. UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, beta-Pinene) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, beta-Pinene), MARINE POLLUTANT			
 Uncleaned packaging: Recommendation: Disposal must be made according the second s	Ing to official regulations. UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, beta-Pinene) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, beta-Pinene), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,			
 Uncleaned packaging: Recommendation: Disposal must be made according the second s	Ing to official regulations. UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, beta-Pinene) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, beta-Pinene), MARINE POLLUTANT			
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Trade name: Melis	senöl, nat./nat.id./ 01-4950	
∘ 14.6 Special pre	ecautions for user	(Contd. of page 6) Warning: Miscellaneous dangerous substances and articles.
∘ Danger code (Ke		90
◊ EMS Number:		F-A,S-F
 Stowage Catego 		
	in bulk according to Annex II of	•
the IBC Code		Not applicable.
◊ Transport/Addition	onal information:	
<i></i> ∧ <i>ADR</i>		
◇ Limited quantitie		5L
 Excepted quanti 	ties (EQ)	Code: E1
		Maximum net quantity per inner packaging: 30 ml
A Transport actor		Maximum net quantity per outer packaging: 1000 ml 3
◇ Transport catego	лу 	ъ
◇IMDG	<i>"</i> (0)	
 Limited quantitie Evented quantitie 		5L Code: E1
◊ Excepted quanti	lies (EQ)	Maximum net quantity per inner packaging: 30 ml
		Maximum net quantity per outer packaging: 30 ml
∘ UN "Model Regu	ulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
0.1		LIQUID, N.O.S. (DIPENTENE, BETA-PINENE), 9, III
. SECTION 15:	Regulatory information	
 Labelling accord Hazard pictograi GHS05 GHS07 	ling to Regulation (EC) No 1272/20 ns � �	ons/legislation specific for the substance or mixture 008 The product is classified and labelled according to the CLP regulation.
Signal word Dan Signal word Dan		
3,7-Dimethyl-2,6 3,7-Dimethylocta DIPENTENE beta-Pinene Citronellal		
3,7-Dimethyl-1,6 dl-Citronellol 2,6-Octadien-1-c lalphaPinene	ol-3,7-dimethylacetate	
Eugenol	nts	
	erious eye damage.	
H304 May be fat	e an allergic skin reaction. tal if swallowed and enters airways to aquatic life with long lasting effe	
◇ Precautionary st		
P301+P310 P321	IF SWALLOWED: Immediately	call a POISON CENTER/ doctor.
P321 P331	Specific treatment (see on this I Do NOT induce vomiting.	averj.
		vith water for several minutes. Remove contact lenses, if present and easy to do.
P362+P364 P405	Take off contaminated clothing Store locked up.	and wash it before reuse.

Safety data sheet according to ChemV 2015 - SR 813.11

Printing date 01.10.2018

Version 55

Revision: 01.10.2018

(Contd. on page 8)

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Safety data sheet

according to ChemV 2015 - SR 813.11

Printing date 01.10.2018

Version 55

Revision: 01.10.2018

CH/GB

Trade name: Melissenöl, nat./nat.id./ 01-4950

(Contd. of page 7) P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

 \circ Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40

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

. 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

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.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: Regulatory Affairs

Contact: Dr. Maja Zippel

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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) VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A

Skin Sens. 1: Skin sensitisation - Category 1 Skin Sens. 1B: Skin sensitisation – Category 1B

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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3