# **Material Safety Data Sheet**

**EU Regulation: 1907/2006** 

SECTION 1: IDENTIFICATION OF	THE SUBSTANCE	MIXTURE A	AND OF THE COMPAN	Y/UNDERTAKING			
1.1 PRODUCT IDENTIFICATION							
PRODUCT NAME	Essential oils - Cinn	Essential oils - Cinnamon Bark - Etherische olie - Kaneel (schors / bark)					
INCI NAME	CINNAMOMUM ZEYL	anicum Bark (	DIL				
SYNONYMS & TRADE NAMES	-						
INTERNAL PRODUCT CODE	SQ0150129 - EO0	)54					
CAS-No	84649-98-9	EC No.	283-479-0	EINECS No.	283-479-0		
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET						
COMPANY ADDRESS	SoapQueen vof, Veilingdreef 20 4614RX Bergen op Zoom Nederland						
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET						
EMERGENCY CONTACTS	+31 (0)164 25490	00 - Office Ho	ours: 09:00 - 17:00 (weekd	lays only)			

SECTION 2: HAZARDS IDENTIFICATION	
2.1	Turning and the second
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.
CLASSIFICATION (67/548/EEC)  CLASSIFICATION (EU1272/2008)	NO ADDITIONAL DATA AVAILABLE.  ACUTE DERMAL TOXICITY, CATEGORY 4 (ACUTE TOX. 4, H312).  SKIN IRRITATION, CATEGORY 2 (SKIN IRRIT. 2, H315).  EYE IRRITATION, CATEGORY 2 (EYE IRRIT. 2, H319).  SKIN SENSITISATION, CATEGORY 1A (SKIN SENS. 1A, H317).  HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD, CATEGORY 3 (AQUATIC CHRONIC 3, H412).  THIS MIXTURE DOES NOT PRESENT A PHYSICAL HAZARD. REFER TO THE RECOMMENDATIONS REGARDING THE OTHER PRODUCTS PRESENT ON THE SITE.
2.2 LABEL ELEMENTS	Label in accordance with Regulation (EC) No 1272/2008.
GHS LABEL	GHS07 GHS09
SIGNAL WORD	DANGER.
Contains	Caryophyllene, Isoeugenol
HAZARDS STATEMENT	H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H350 MAY CAUSE CANCER. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
Precautionary Statements	P202 - DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD  P302 + P352 - IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER PROBLEM P333 + P313 - IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION  P305 + P351 + P338 - IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING PROBLEM P337 + P313 - IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION  P308 + P313 - IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION  P273 - AVOID RELEASE TO THE ENVIRONMENT PROBLEM P301 - DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL, AND INTERNATIONAL REGULATIONS AS APPLICABLE
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	None.

	<u> </u>					
.3 OTHER HAZARDS						
Adverse physio-chemical properties	No Data.					
Adverse effects on human health	THE MIXTURE DOES NOT CONT PUBLISHED BY THE EUROPEAN CHEMICALS AGENCY (ECHA)				·	•
PBT OR VPVB ACCORDING TO ANNEX XIII	THE MIXTURE SATISFIES NEITHE REACH REGULATIONS EC 19		E VPVB CRITERIA FOR	MIXTURES IN ACCO	ORDANCE WITH ANNEX	E XIII OF THE
ECTION 3: COMPOSITION OF INGREDIEN	ITC					
ECTION 3: COMPOSITION OF INGREDIEN	113					
.1 Mixtures						
	Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
	Chemical Name  Cinnamic aldehyde	EC No. Present	<b>CAS No.</b> 104-55-2	<b>Weight-%</b> 70 < 80%	according to Regulation (EC) No. 1272/2008	registration

				Sens. 1 (H317) (EFFA) Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 3 (H316) (EFFA) Acute Tox. 5 (H303)(EFFA)	
Linalool	Present	78-70-6	1 < 10%	Aquatic Acute 3 (H402) (EFFA) Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam. Liq. 4 (H227)(EFFA) Skin Sens. 1B (H317) (EFFA)	No data availabl
d-Limonene	Present	5989-27-5	1 < 10%	Flammable Liq. 3 (H226)(EFFA) Skin Irrit. 2 (H315)(EFFA) Skin Sens. 1B (H317)(EFFA) Asp. Tox. 1 (H304)(EFFA) Aquatic Acute 1 (H400)(EFFA) Aquatic Chronic 1 (H410)(EFFA)	No data availabl
Caryophyllene	Present	87-44-5	0.1 < 1%	Skin Sens. 1B (H317) (EFFA) Asp. Tox. 1 (H304) (EFFA) Chronic Aquatic 4 (H413) (EFFA)	No data availabl
Benzyl benzoate	Present	120-51-4	0.1 < 1%	Acute Tox. 4 (H302)(EFFA) Aquatic Acute 1 (H400) (EFFA) Aquatic Chronic 2 (H411) (EFFA) Acute Tox. 5 (H313)(EFFA)	No data availabl
Eugenyl acetate	Present	93-28-7	0.1 < 1%	Acute Tox. 4 (H302) (EFFA) Acute Aquatic 2 (H401)(EFFA)	No data availabl
Cinnamyl acetate	Present	103-54-8	0.1 < 1%	Acute Tox. 5 (H303) Aquatic Acute 3(H402)	No data availabl
alpha-Phellandrene	Present	99-83-2	0.1 < 1%	Skin Irrit. 3 (H316) (EFFA) Asp. Tox. 1 (H304) (EFFA) Flam. Liq. 3 (H226)(EFFA)	No data availabl
Safrole	Present	94-59-7	0.1 < 1%	Acute Tox. 4 (H302)(EFFA) Muta. 2 (H341)(EFFA) Carc. 1B (H350)(EFFA)	No data availabl
para-Cymene	Present	99-87-6	0.01 < 0.1%	Rep Tox. 2 (H361), Aquatic Acute 2 (H401), Skin Irrit. 3 (H316), Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Acute Tox. 5 (H303),Flam. Liq. 3 (H226)	No data availabl
Myrcene	Present	123-35-3	0.01 < 0.1%	Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Asp. Tox. 1 (H304) (EFFA) Flam. Liquid 3 (H226) (EFFA) Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 2 (H411) (EFFA)	No data availabl
alpha-Terpineol	Present	98-55-5	0.01 < 0.1%	Aquatic Acute 2	No data availabl

				Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam. Liq. 4 (H227)(EFFA)	
Camphene	Present	79-92-5	0.01 < 0.1%	Aquatic Acute 1 (H400) (EFFA) Eye Irrit. 2B (H320) (EFFA) Aquatic Chronic 1 (H410) (EFFA) Flam. Sol 2 (H228) (EFFA)	No data available
beta-Pinene	Present	127-91-3	0.01 < 0.1%	Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 1 (H410) (EFFA) Skin Sens. 1 (H317) (EFFA) Skin Irrit. 2 (H315) (EFFA) Asp. Tox. 1 (H304) (EFFA) Flam. Liq. 3 (H226) (EFFA)	No data available
alpha-Pinene	Present	80-56-8	0.01 < 0.1%	Acute Aquatic 1 (H400) (EFFA) Chronic Aquatic 1 (H410) (EFFA) Acute Tox. 4 (H302) (EFFA) Skin Sens. 1B (H317) (EFFA) Skin Irrit. 2 (H315) (EFFA) Asp. Tox. 1 (H304) (EFFA) Flam. Liq. 3 (H226) (EFFA)	No data available
Isoeugenol	Present	97-54-1	0.01 < 0.1%	(H220)(LT N) Aquatic Acute 2 (H401) (EFFA) Skin Sens. 1 (H317) (EFFA) Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Acute Tox. 4 (H302) (EFFA) Acute Tox. 4 (H312)(EFFA)SCUTE Tox. 4 (H332)(EFFA)STOT SE 3(H335)(EFFA)	No data available
Benzaldehyde	Present	100-52-7	0.001 < 0.01%	STOT SE 3(H335) Skin Irrit. 3 (H316) Flam. Liq. 4 (H227) Eye Irrit. 2A(H319)Aquatic Acute 2 (H401) Acute Tox. 5 (H313) Acute Tox. 4 (H332) Acute Tox. 4 (H332)	No data available
Sabinene	Present	3387-41-5	0.001 < 0.01%	108. 4 (H332) Aspiration cat 1 (H304), Flam cat 3 (H226), Skin Irri cat 2 (H315), Skin sensi cat 1B (H317), Acute aquatic cat 1 (H400), Chronic aquatic cat 1 (H410)	No data available
Eucalyptol	Present	470-82-6	0.001 < 0.01%	Skin Irrit. 3 (H316) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam. Liq. 3 (H226)(EFFA) Skin Sens. 1B (H317) (EFFA)	No data available
Methyl eugenol	Present	93-15-2	0.001 < 0.01%	Aquatic Acute 2 (H401) (EFFA) Carc. 2 (H351) (EFFA) Muta.	No data available
				2 (H341) (EFFA) Acute Tox. 4 (H302) (EFFA)	
Styrene	Present	100-42-5	0.001 < 0.01%	Flam. Liq. 3 (H226) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Repr. 2 (H361) STOT SE 3 (H335) STOT RE 1(H372) Asp. Tox. 1 (H304) Aquatic Acute 2(H401) Aquatic Chronic 3 (H412)	No data available
gamma-Terpinene	Present	99-85-4	0.0001 < 0.001%	Rep 2 (H361), Flam. Liq. 3, Aspir Haz. 1 (H304), Acute Tox 5 (H303), Skin Irrit. 3 (H316)	No data available

# **SECTION 4: FIRST AID MEASURES**

DESCRIPTION OF FIRST AID MEASURES	A NAME OF THE OWN ASSESSMENT OF THE OWN ASSE				
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.				
Inhalation	GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.				
Ingestion	SET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY CALL THE DOCTOR. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL TTENTION.				
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.				
EYE CONTACT	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.				
4.2 Most important symptoms & effects (Acute & Delayed)	OBSERVE RISK OF ASPIRATION IF VOMITING OCCURS.				
I.3 NDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR PECIAL TREATMENT REQUIRED	TREAT SYMPOMATICALLY.				
SECTION 5: FIRE FIGHTING MEASURES					
5.1 EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.				
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES				
5.3 Advice for fire-fighters	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:  WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.				
SECTION 6: ACCIDENTAL RELEASE MEASU	ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN,				
Personal precautions 6.2	EYES AND CLOTHING. AVOID INHALATION.  DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY				
ENVIRONMENTAL PRECAUTIONS	GUIDELINES.				
6.3 Methods & material for containment and cleaning up	REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN SPILLAGE IMMEDIATELY BY USE OF SAND OR INERT POWDER. DISPOSE OF ACCORDING TO LOCAL REGULATIONS. COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL (E.G. DRY-LIME, SAND, SODA ASH).				
6.4 REFERENCES TO OTHER SECTIONS	Refer & consider section 12.				
SECTION 7: HANDLING & STORAGE					
7.1 Precautions for safe-handling	HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.				
7.2  CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES  STORAGE CLASS: FLAMMABLE LIQUID STORAGE. STORE ONLY IN THE ORIGINAL RECEPTACLE. KEEP CONTAINER TO KEEP IN COOL, DRY, VENTILATED STORAGE AND CLOSED CONTAINERS. KEEP AWAY FROM HEAT.					
7.3 Specific end use(s)	THE INFORMATION REQUIRED IS CONTAINED IN THIS MATERIAL SAFETY DATA				
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION					
8.1 CONTROL PARAMETERS	Chemical Name         European Union         United Kingdom         France         Spain         Germany           d-Limonene         -         TWA: 1000 mg/m³         S*         TWA: 5 ppm           5989-27-5         STEL: 1500 mg/m³         TWA: 30 ppm         TWA: 28 mg/m³				

					Ceiling / Peak: 112 mg/m³ Skin
alpha-Phellandrene 99-83-2		-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
para-Cymene 99-87-6	-	-	TWA: 150 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Myrcene 123-35-3	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Camphene 79-92-5	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
beta-Pinene 127-91-3	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	-
alpha-Pinene 80-56-8	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	-
Sabinene 3387-41-5	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	1	-
Styrene 100-42-5	-	STEL: 250 ppm STEL: 1080 mg/m <sup>3</sup> TWA: 100 ppm TWA: 430 mg/m <sup>3</sup>	TWA: 23.3 ppm TWA: 100 mg/m³ TWA: 1000 mg/m³ STEL: 46.6 mg/m³ STEL: 200 ppm STEL: 1500 mg/m³	STEL: 40 ppm STEL: 172 mg/m <sup>3</sup> TWA: 20 ppm TWA: 86 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 86 mg/m³ Ceiling / Peak: 40 pl Ceiling / Peak: 17: mg/m³ Skin
gamma-Terpinene 99-85-4	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
d-Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	-
para-Cymene 99-87-6	-	-	-	1	TWA: 25 ppm TWA: 135 mg/m <sup>3</sup>
beta-Pinene 127-91-3	-	TWA: 20 ppm	-	-	-
alpha-Pinene 80-56-8	-	TWA: 20 ppm	-	-	-
Benzaldehyde 100-52-7	-	-	-	TWA: 1 ppm TWA: 4.4 mg/m <sup>3</sup> Ceiling: 4 ppm Ceiling: 17.4 mg/m <sup>3</sup>	-
Styrene 100-42-5	-	STEL: 40 ppm TWA: 20 ppm	-	TWA: 20 ppm TWA: 86 mg/m <sup>3</sup> STEL: 100 ppm STEL: 430 mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 105 mg/m Skin
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
d-Limonene 5989-27-5	-	STEL: 14 ppm STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	-
Myrcene 123-35-3	-	•	-	TWA: 40 ppm TWA: 275 mg/m <sup>3</sup> STEL: 60 ppm STEL: 343.75 mg/m <sup>3</sup>	-
Camphene 79-92-5	-	Skin STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>	-	-	-
beta-Pinene 127-91-3	-	Skin STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	-

80-56-8		STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>		TWA: 140 mg/m <sup>3</sup> Skin STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	
Benzaldehyde 100-52-7	-	-	STEL: 40 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	-	-
Styrene 100-42-5	STEL 80 ppm STEL 340 mg/m <sup>3</sup> TWA: 20 ppm TWA: 85 mg/m <sup>3</sup>	STEL: 40 ppm STEL: 170 mg/m <sup>3</sup> TWA: 20 ppm TWA: 85 mg/m <sup>3</sup>	STEL: 100 mg/m <sup>3</sup> TWA: 50 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 105 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 131.25 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 85 mg/m <sup>3</sup> STEL: 40 ppm STEL: 170 mg/m <sup>3</sup>

# 8.2



EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY
	GOGGLES. (EN166)
	AVOID CONTACT WITH SKIN. WASH HANDS BEFORE BREAKS AND AT END OF WORK. WEAR PROTECTIVE GLOVES, DIN/EN
HAND PROTECTION	374. THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT / THE SUBSTANCE / THE PREPARATION.
	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.
RESPIRATORY EQUIPMENT	DO NOT INHALE GASES / FUMES / AEROSOLS. CERTIFIED RESPIRATORY PROTECTIVE DEVICE RECOMMENDED.
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
Engineering Measures	NONE.
Skin Protection	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
Personal Protection	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. AVOID CONTACT WITH SKIN AND EYES. USE PERSONAL PROTECTION ACCORDING TO DIRECTIVE 89/686/EEC.
OTHER PROTECTION	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.
Process Conditions	Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & Eye Bath.
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	
9.1 PHYSICAL & CHEMICAL PROPERTIES	
Appearance	CLEAR LIQUID
COLOUR	Yellow
Odour	SPICY & SWEET, CHARACTERISTIC
FLASH POINT (°C)	100°C.
Refractive Index @ 20 °C	1.565 – 1.600
SOLUBILITY IN WATER @ 20 °C	SOLUBLE IN WATER. SOLUBLE IN OIL.
9.2 OTHER INFORMATION	No Data.
SECTION 10: STABILITY & REACTIVITY	
10.1 REACTIVITY	NOT APPLICABLE.
10.2 CHEMICAL STABILITY	Stable under suggested storage conditions ( $<15^{\circ}$ C).  Stable under normal conditions.
10.3 Possibility of hazardous reactions	NONE UNDER NORMAL PROCESSING.
10.4 CONDITIONS TO AVOID	Storage at high temperatures. Do not store above $15^{\circ}$ C. Avoid heat, flames and other sources of ignition.
10.5 INCOMPATIBLE MATERIALS	AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	THIS PRODUCT DOES NOT DECOMPOSE UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS THE PRODUCT WILL PRODUCE A MIXTURE OF IRRITATING FUMES & SMOKE & CARBON MONOXIDE.

SECTION 11: TOXICOLOGICAL INFORMATION	
11.1 TOXICOLOGICAL EFFECTS	

#### Acute toxicity Product Information Avoid breathing vapors or mists Avoid contact with eyes. Avoid contact with skin. Inhalation Eye Contact Skin contact Ingestion The following values are calculated based on chapter 3.1 of the GHS document 3.93582 % of the mixture consists of ingredient(s) of unknown acute oral toxicity 39-3052 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity. 97-96802 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas) 97-96802 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor) 97-96802 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor) 97-96802 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist) Chemical Name Oral LD50 Dermal LD50 Inhalation LC50 >2000 mg/kg (Rabbit) Eugenol 1930 mg/kg (Rat) 2.6 mg/L/4h air (nominal) (Rat, OECD 403) **ACUTE TOXICITY** Linalool = 2790 mg/kg (Rat) = 2000 mg/kg (Rabbit) = 5610 mg/kg (Rat) > 5 g/kg (Rabbit) d-Limonene Memo 4000 mg/kg (Rabbit) Benzyl benzoate >2,000 mg/kg (Rat) >5.57 mg/L (similar materials, 4 hours, Rat) = 1670 mg/kg (Rat) Eugenyl acetate > 5 g/kg (Rabbit) = 5700 mg/kg (Rat) alpha-Phellandrene > 5 g/kg (Rabbit) >5,000 mg/kg (Rabbit) Safrole = 1950 mg/kg (Rat) >9.7 mg/L (Rat) 5hr 4,750 mg/kg (Rat) para-Cymene > 5 g/kg ( Rat ) 4,300 mg/kg, >4,760.00 mg/kg (REACh) > 5 g/kg (Rabbit) >2,000 mg/kg alpha-Terpineo >2,000 mg/kg > 5 g/kg (Rat) = 4700 mg/kg (Rat) > 5000 mg/kg (Rat) > 2500 mg/kg ( Rabbit ) = 17100 mg/m<sup>3</sup> ( Rat ) 1 h Camphene alpha-Pinene > 5000 mg/kg (Rat) 500mg/kg (Rat) 1,912 mg/kg (rabbit) Isoeugenol Benzaldehyde > 1250 mg/kg (Rabbit) = 2480 mg/kg (Rat) Eucalyptol > 2025 mg/kg (Rabbit) Methyl eugenol = 810 mg/kg (Rat) = 11.7 mg/L (Rat) 4 h gamma-Terpinene 3,850 mg/kg (Rat) SKIN IRRITATION IRRATATING TO SKIN **E**YE DAMAGE OR IRRITATION CAUSES SERIOUS EYE IRRITATION. RESPIRATORY OR SKIN SENSITIVITY NO DATA. **GERM CELL MUTAGENICITY** NO DATA. Chemical Name **European Union** CARCINOGENICITY Carc. 1B Methyl eugenol Carc. 2 CONTAINS A KNOWN OR SUSPECTED REPRODUCTIVE TOXIN. GAMMA-TERPINENE. INDIRECT NATURAL STYRENE. PARA-REPRODUCTIVE TOXICITY **STOT - SINGLE EXPOSURE** NOT CLASSIFIED **STOT - REPEATED EXPOSURE** NOT CLASSIFIED **ASPIRATION HAZARD** NOT CLASSIFIED OTHER INFORMATION NOT CLASSIFIED **SECTION 12: ECOLOGICAL INFORMATION** Crustacea 48hr EC50 - 3.21 mg/L (Daphnia magna) Algae/aquatic plants 72hr EC50 - 31.6 mg/L (Desmodesmus subspicatus) **Chemical Name** Fish 96hr LC50 - 3.9 mg/L (Brachydanio rerio) 12.1 48hr EC50 - 1.13 mg/L (Daphnia 96hr LC50 - 13 mg/L (Danio rerio) TOXICITY Eugenol 72hr ErC50 - 24 mg/L magna) (OECD 202) (OECD 203) (OECD201)

	Linalool	48hr EC50 - 59mg/L (Daphnia magna)	96hr EC50 - 156.7 mg/L; EC10 or NOEC - 54.3 mg/L (Desmodesmus subspicatus)	96hr LC50 - 27.8mg/L (Salmo gairdneri)
	d-Limonene	48hr EC50 - 0.4 mg/L (Daphnia magna)	96 hr NOEC - 4mg/L (Green algae)	96hr LC50 - 0.7mg/L (Pimephales promelas)
	Benzyl benzoate	48 hr EC50 - 3.09 mg/L, Chronic NOEC - 1.73 mg/L (Daphnia magna)	72hr EC50 - 0.475 mg/L; NOEC - 0.247 mg/L (Pseudokirchneriella subcapitata)	96 hr LC50 - 2.32 mg/l (Brachydanio rerio)
	para-Cymene	72hr ErC50 - 4.03 mg/L, NOErC - 1.4 mg/L (Scenedesmus capricornutum)	48hr EC50 - 100 mg/L	96hr LC50 - 48 mg/L (Cyprinodon variegatus)
	alpha-Terpineol	48hr EC50 - 73 mg/l (Daphnia magna)	72hr EC50 - 68mg/l	96hr LC50 - 62 to 80 mg/L (Danio rerio)
	Camphene	48hr EC50/LC50 - 50 mg/L (Daphnia magna)	72hr EC50 - 30.31 mg/L, EC10 or NOEC - 10 mg/L (Pseudokirchneriella subpicata)	96hr LC50 - 50 mg/L (Danio rerio)
	alpha-Pinene	41: 48 h Daphnia magna mg/L LC50		0.28: 96 h Pimephales promelas mg/L LC50 static
	Isoeugenol	48hr EC50 - 4.7 mg/L (QSAR)	72/96hr EC50 - 13.9 mg/L (QSAR)	96hr LC50 - 9.3 mg/L (QSAR)
	Benzaldehyde	50: 24 h Daphnia magna mg/L EC50		7.5: 96 h Lepomis macrochirus mg/L LC50 static 6.8 - 8.53: 96 h Pimephales promelas mg/L LC50 flow-through 0.8 - 1.44: 96 h Lepomis macrochirus mg/L LC50 flow-through 10.6 - 11.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12.69: 96 h Oncorhynchus mykiss mg/L LC50 static
	Eucalyptol	48hr EC50/LC50 - 100 mg/L (Daphnia magna)	72hr EC50 - 74 mg/L, EC10 or NOEC - 37 mg/L (Pseudokirchneriella subcapitata)	96 HR LC50 for freshwater fish - 57 mg/L (Oncorhynchus mykiss)
	Styrene	3.3 - 7.4: 48 h Daphnia magna mg/L EC50		58.75 - 95.32: 96 h Poecilia reticulata mg/L LC50 static 3.24 - 4.99: 96 h Pimephales promelas mg/L LC50 flow-through 19.03 - 33.53: 96 h Lepomis macrochirus mg/L LC50 static 6.75 - 14.5: 96 h Pimephales promelas mg/L LC50 static
12.2 PERSISTENCE & DEGRADABILITY	No Data.			
12.3 BIO- ACCUMULATIVE POTENTIAL	No Data.			
12.4 MOBILITY IN SOIL	NO DATA			
12.5 RESULTS OF PBT & VPVB ASSESSMENT	NO DATA.			
12.6		Candidate List	Evaluated Substances	
OTHER ADVERSE EFFECTS	Styrene	Group I Chemical	High Exposure Concern	Industrial chemical
SECTION 13: DISPOSAL INFORMATION				
13.1 WASTE TREATMENT METHODS		ODUCT. DISCARD WASTE MATER		E MANAGEMENT SERVICES. ACT

SECTION 14: Transport Information		
14.1 TRANSPORT INFORMATION		
UN NUMBER	3082	
14.2 UN SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S.	
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN CLASS: 9: IMDG CLASS: 9 ICAO CLASS/DIVISION: 9 TRANSPORT LABELS	



14.4

PACKING GROUP

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14.5

**ENVIROMENTAL HAZARDS** 



#### OVERLAND TRANSPORT

CLASSIFICATION CODE (ADR) M6

SPECIAL PROVISIONS (ADR) 274, 335, 375, 601

LIMITED QUANTITIES (ADR) 5L

EXCEPTED QUANTITIES (ADR) E1

PACKING INSTRUCTIONS (ADR) POO1, IBCO3, LPO1, ROO1

SPECIAL PACKING PROVISIONS (ADR) PP1

MIXED PACKING PROVISIONS (ADR) MP19

PORTABLE TANK AND BULK CONTAINER INSTRUCTIONS (ADR) T4

PORTABLE TANK AND BULK CONTAINER SPECIAL PROVISIONS (ADR)

TP1, TP29

TANK CODE (ADR) LGBV

VEHICLE FOR TANK CARRIAGE AT

TRANSPORT CATEGORY (ADR) 3

SPECIAL PROVISIONS FOR CARRIAGE - PACKAGES (ADR) V12

SPECIAL PROVISIONS FOR CARRIAGE - LOADING, UNLOADING AND HANDLING (ADR) CV13

HAZARD IDENTIFICATION NUMBER (KEMLER NO.) 90

ORANGE PLATES :

90 3082

TUNNEL RESTRICTION CODE (ADR)

EAC CODE 3Z

14.6

**SPECIAL PRECAUTIONS FOR USER** 

# TRANSPORT BY SEA

SPECIAL PROVISIONS (IMDG) 274, 335, 969 LIMITED QUANTITIES (IMDG) 5 L

EXCEPTED QUANTITIES (IMDG) E1

PACKING INSTRUCTIONS (IMDG) LP01, P001

SPECIAL PACKING PROVISIONS (IMDG) PP1

IBC PACKING INSTRUCTIONS (IMDG) IBC03

TANK INSTRUCTIONS (IMDG) T4

TANK SPECIAL PROVISIONS (IMDG) TP2, TP29

EMS-NO. (FIRE) F-A

EMS-NO. (SPILLAGE)

STOWAGE CATEGORY (IMDG) A

# AIR TRANSPORT

PCA EXCEPTED QUANTITIES (IATA) E1

PCA LIMITED QUANTITIES (IATA) Y964 PCA LIMITED QUANTITY MAX NET QUANTITY (IATA) 30KGG

PCA PACKING INSTRUCTIONS (IATA) 964

PCA MAX NET QUANTITY (IATA)

CAO PACKING INSTRUCTIONS (IATA) 964

CAO MAX NET QUANTITY (IATA) 450L

SPECIAL PROVISIONS (IATA) A97, A158, A197

ERG CODE (IATA) 9L

## INLAND WATERWAY TRANSPORT

CLASSIFICATION CODE (ADN) M6

SPECIAL PROVISIONS (ADN) 274, 335, 375, 601

LIMITED QUANTITIES (ADN) 5 L

EXCEPTED QUANTITIES (ADN) E1 EQUIPMENT REQUIRED (ADN) PP NUMBER OF BLUE CONES/LIGHTS (ADN) 0

#### RAIL TRANSPORT

CLASSIFICATION CODE (RID) M6

SPECIAL PROVISIONS (RID) 274, 335, 375, 601

LIMITED QUANTITIES (RID) 5L

EXCEPTED QUANTITIES (RID) E1

PACKING INSTRUCTIONS (RID) P001, IBC03, LP01, R001

SPECIAL PACKING PROVISIONS (RID) PP1

MIXED PACKING PROVISIONS (RID) MP19

PORTABLE TANK AND BULK CONTAINER INSTRUCTIONS (RID) T4

PORTABLE TANK AND BULK CONTAINER SPECIAL PROVISIONS (RID)

TANK CODES FOR RID TANKS (RID) LGBV

TRANSPORT CATEGORY (RID) 3

SPECIAL PROVISIONS FOR CARRIAGE - PACKAGES (RID)

SPECIAL PROVISIONS FOR CARRIAGE - LOADING, UNLOADING AND HANDLING (RID) CW13, CW31

TP1, TP29

COLIS EXPRESS (EXPRESS PARCELS) (RID) CE8

HAZARD IDENTIFICATION NUMBER (RID) 90

147

LEGISLATION

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.

NO DATA

# **SECTION 15: REGULATORY INFORMATION**

#### STATUTORY INSTRUMENTS

THE CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS 2009 (S.I. 2009 No. 716).

# APPROVED CODE OF PRACTISE

CLASSIFICATION AND LABELLING OF SUBSTANCES AND PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES AND PREPARATIONS.

### **GUIDANCE NOTES**

CHIP FOR EVERYONE HSG(108). WORKPLACE EXPOSURE LIMITS EH40

## **EU LEGISLATION**

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, INCLUDING AMENDMENTS.

# NATIONAL REGULATIONS

# GERMANY

EMPLOYMENT RESTRICTIONS: OBSERVE RESTRICTIONS ACCORDING ACT ON THE PROTECTION OF WORKING MOTHERS (MUSCHG)

OBSERVE RESTRICTIONS ACCORDING ACT ON THE PROTECTION OF YOUNG PEOPLE IN EMPLOYMENT (IARRSCHG)

WATER HAZARD CLASS (WGK): NOT CLASSIFIED ACCORDING TO REGULATION GOVERNING SYSTEMS FOR HANDLING SUBSTANCES

HAZARDOUS TO WATERS (AWSV)

HAZARDOUS INCIDENT ORDINANCE (12. BIMSCHV): IS NOT SUBJECT OF THE HAZARDOUS INCIDENT ORDINANCE (12. BIMSCHV)

SZW-LIJST VAN KANKERVERWEKKENDE STOFFEN: NONE OF THE COMPONENTS ARE LISTED SZW-LIJST VAN MUTAGENE STOFFEN: NONE OF THE COMPONENTS ARE LISTED

NIET-LIMITATIEVE LIJST VAN VOOR DE VOORTPLANTING GIFTIGE STOFFEN - BORSTVOEDING: NONE OF THE COMPONENTS ARE LISTED

NIET-LIMITATIEVE LIJST VAN VOOR DE VOORTPLANTING GIFTIGE STOFFEN – VRUCHTBAARHEID: NONE OF THE COMPONENTS ARE LISTED

NIET-LIMITATIEVE LIJST VAN VOOR DE VOORTPLANTING GIFTIGE STOFFEN - ONTWIKKELING: NONE OF THE COMPONENTS ARE LISTED

### DENMARK

CLASS FOR FIRE HAZARD: CLASS III-1

STORE UNIT: 50 LITER

CLASSIFICATION REMARKS: FLAMMABLE ACCORDING TO THE DANISH MINISTRY OF JUSTICE; EMERGENCY

PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS &

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with SoapQueen regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. It is the responsibility of the client to ensure the safety of the final product containing this ingredient. Please carry out additional testing if necessary.

	MANAGEMENT GUIDELINES FOR THE STORAGE OF FLAMMABLE LIQUIDS MUST BE FOLLOWED  DANISH NATIONAL REGULATIONS: YOUNG PEOPLE BELOW THE AGE OF 18 YEARS ARE NOT ALLOWED  TO USE THE PRODUCT  PREGNANT/BREASTFEEDING WOMEN WORKING WITH THE PRODUCT MUST NOT BE IN DIRECT CONTACT
15.2 CHEMICAL SAFETY ASSESSMENT	AN ASSESSMENT HAS NOT BEEN EXECUTED

	H411 - TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS
	H413 - May cause long lasting harmful effects to aquatic life
TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.	
ABBREVIATIONS & ACRONYMS:	
MSDS	MATERIAL SAFETY DATA SHEET.
INCI	INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.
CAS	CHEMICAL ABSTRACT SERVICE.
IMDG	International Maritime code for Dangerous Goods.
ADR	Accord European sur le transport des merchandises Dangereuses par Route (European
	AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).
RID	International Carriage of Dangerous Goods by Rail.
ICAO	International Civil Aviation Organization.
ADN	International Carriage of Dangerous Goods by Inland Waterways.
GHS	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.
Trem Card	Transport Emergency Card.
STOT	SPECIFIC TARGET ORGAN TOXICITY.

DOCUMENTATION REVISION	
DATE	CHANGE DESCRIPTION
26 <sup>™</sup> October 2020	Data Launch