

## Material Safety Data Sheet

EU Regulation: 1907/2006

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	Etherische olie - Kaneel (Blad) - Essential oil - Cinnamon Leaf				
BIOLOGICAL DEFINITION	CINNAMOMUM ZEYLANICUM LEAF OIL IS THE VOLATILE OIL OBTAINED FROM THE LEAVES OF THE CEYLON CINNAMON, CINNAMOMUM ZEYLANICUM, LAURACEAE.				
INCI NAME	CINNAMOMUM ZEYLANICUM LEAF OIL.				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	SQ0150131 - EO058				
CAS-No	84649-98-9	EC No.	283-479-0	EINECS No.	283-479-0
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS	SoapQueen vof Veilingdreef 20, 4614RX Bergen op Zoom, Nederland				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
EMERGENCY CONTACTS	+31 (0)164 254900 - Office Hours: 09:00 - 17:00 (weekdays only)				

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE** THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.

**CLASSIFICATION (EU1272/2008)**  
**Physical hazards:** Not classified  
**Health hazards:** Asp. Tox. 1 - H304, Skin Sens. 1B - H317, Eye Irrit. 2 - H319, Muta. 2 - H341, Carc. 1B - H350  
**Environmental hazards:** Aquatic Chronic 2 - H411

**2.2 LABEL ELEMENTS** LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.

**GHS LABEL**





GHS07                      GHS08                      GHS09

**SIGNAL WORD** DANGER

**CONTAINS** BETA-CARYOPHYLLENE, ALPHA-PHELLANDRENE, ALPHA-PINENE, ALPHA-PHELLANDRENE, SAFROLE

**HAZARDS STATEMENT**  
H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  
H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.  
H319 - CAUSES SERIOUS EYE IRRITATION.  
H341 - SUSPECTED OF CAUSING GENETIC DEFECTS.  
H350 - MAY CAUSE CANCER.  
H411 - TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

**PRECAUTIONARY STATEMENTS**  
P261 - AVOID BREATHING VAPOURS/SPRAY.  
P273 - AVOID RELEASE TO THE ENVIRONMENT.  
P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.  
P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/DOCTOR.  
P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER.  
P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.  
P308+P313 - IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.  
P333+P313 - IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.  
P337+P313 - IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.  
P391 - COLLECT SPILLAGE.

**SUPPLEMENTARY PRECAUTIONARY STATEMENTS** P362+P364 TAKE OFF CONTAMINATED CLOTHING. AND WASH IT BEFORE REUSE.

SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.

**2.3 OTHER HAZARDS**

**ADVERSE PHYSIO-CHEMICAL PROPERTIES** NO ADDITIONAL DATA AVAILABLE.

**ADVERSE EFFECTS ON HUMAN HEALTH** NO ADDITIONAL DATA AVAILABLE.

**PBT OR VPVB ACCORDING TO ANNEX XIII** NO ADDITIONAL DATA AVAILABLE.

## SECTION 3: COMPOSITION OF INGREDIENTS

**3.1 SUBSTANCES**

<b>≤ 83.0% EUGENOL</b>	CAS No: 97-53-0 EC No: 202-589-1
CLASSIFICATION (EC 1272/2008):	EYE IRRIT. 2, H319, SKIN SENS. 1B, H317
<b>5.0 – 10.0% EUGENYL ACETATE</b>	CAS No: 93-28-7 EC No: 202-235-6
CLASSIFICATION (EC 1272/2008):	ACUTE TOX. 4 (ORAL), H302
<b>1.0 – 5.0% BETA-CARYOPHYLLENE</b>	CAS No: 87-44-5 EC No: 201-746-1
CLASSIFICATION (EC 1272/2008):	ASP. TOX. 1, H304, SKIN SENS. 1B, H317

*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.*

<p><b>≤ 4.0% BENZYL BENZOATE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 120-51-4 EC No: 204-402-9 ACUTE TOX. 4 (ORAL), H302, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 2, H411</p>
<p><b>1.0 – 5.0% CINNAMYL ACETATE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 103-54-8 EC No: 203-121-9 NOT CLASSIFIED</p>
<p><b>≤ 3.1% LINALOOL</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 78-70-6 EC No: 201-134-4 EYE IRRIT. 2, H319, SKIN IRRIT. 2, H315, SKIN SENS. 1B, H317</p>
<p><b>≤ 2.0% CINNAMALDEHYDE (CINNAMAL)</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 104-55-2 EC No: 203-213-9 ACUTE TOX. 4 (DERMAL), H312, EYE IRRIT. 2, H319, SKIN IRRIT. 2, H315, SKIN SENS. 1A, H317</p>
<p><b>1.0 – 5.0% ALPHA-PHELLANDRENE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 99-83-2 EC No: 202-792-5 ASP. TOX. 1, H304, FLAM. LIQ. 3, H226</p>
<p><b>1.0 – 5.0% ALPHA-PINENE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 80-56-8 EC No: 201-291-9 ASP. TOX. 1, H304, ACUTE TOX. 4 (ORAL), H302, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410, FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315, SKIN SENS. 1B, H317</p>
<p><b>≤ 1.3% SAFROLE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 94-59-7 EC No: 202-345-4 ACUTE TOX. 4 (ORAL), H302, CARC. 1B, H350, MUTA. 2, H341</p>
<p><b>1.0 – 2.5% P-CYMENE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 99-87-6 EC No: 202-796-7 ASP. TOX. 1, H304, REPR. 2, H361, AQUATIC CHRONIC 2, H411, FLAM. LIQ. 3, H226</p>
<p><b>≤ 1.0% CARYOPHYLLENE OXIDE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 1139-30-6 EC No: 214-519-7 AQUATIC CHRONIC 2, H411</p>
<p><b>≤ 1.0% CAMPHENE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 79-92-5 EC No: 201-234-8 EYE IRRIT. 2, H319, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410, FLAM. SOL. 2, H228</p>
<p><b>≤ 0.6% D-LIMONENE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 5989-27-5 EC No: 227-813-5 ASP. TOX. 1, H304, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410, SKIN SENS. 1B, H317, FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315,</p>
<p><b>≤ 1.0% BETA-PINENE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 127-91-3 EC No: 204-872-5 ASP. TOX. 1, H304, AQUATIC ACUTE 1, H400, AQUATIC CHRONIC 1, H410, SKIN SENS. 1B, H317, FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315,</p>
<p><b>≤ .01% ALPHA-TERPINEOL</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 98-55-5 EC No: 202-680-6 EYE IRRIT. 2, H319, SKIN IRRIT. 2, H315</p>
<p><b>≤ 1.0% BETA-PHELLANDRENE</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 555-10-2 EC No: 209-081-9 ASP. TOX. 1, H304, FLAM. LIQ. 3, H226</p>
<p><b>≤ 1.0% EUCALYPTOL</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 470-82-6 EC No: 207-431-5 FLAM. LIQ. 3, H226, SKIN SENS. 1B, H317</p>
<p><b>≤ 0.20% ISOEUGENOL</b> CLASSIFICATION (EC 1272/2008):</p>	<p>CAS No: 97-54-1 EC No: 202-590-7 ACUTE TOX. 4 (DERMAL), H312, ACUTE TOX. 4 (INHALATION), H332, ACUTE TOX. 4 (ORAL), H302, EYE IRRIT. 2, H319, SKIN IRRIT. 2, H315, SKIN SENS. 1A, H317, STOT SE 3, H335</p>

	<b>≤ 0.20% BENZALDEHYDE</b> CLASSIFICATION (EC 1272/2008):	CAS No: 100-52-7      EC No: 202-860-4 ACUTE TOX. 4 (INHALATION), H332, ACUTE TOX. 4 (ORAL), H302, EYE IRRIT. 2, H319, STOT SE 3, H335
	<b>≤ 0.20% CINNAMYL ALCOHOL</b> CLASSIFICATION (EC 1272/2008): CHRONIC 2, H411	CAS No: 104-54-1      EC No: 203-212-3 SKIN SENS. 1B, H317, ACUTE TOX. 4 (ORAL), H302, AQUATIC

## SECTION 4: FIRST AID MEASURES

<b>4.1</b>	<b>DESCRIPTION OF FIRST AID MEASURES</b>	
	<b>GENERAL INFORMATION</b>	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
	<b>INHALATION</b>	GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.
	<b>INGESTION</b>	DO NOT INDUCE VOMITING. IMMEDIATELY RINSE MOUTH AND PROVIDE FRESH AIR. GET MEDICAL ADVICE/ATTENTION.
	<b>SKIN CONTACT</b>	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
	<b>EYE CONTACT</b>	IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR UP TO 15 MINUTES. REMOVE ANY CONTACT LENSES AND OPEN EYES WIDE APART. GET MEDICAL ADVICE/ATTENTION. CONTINUE TO RINSE.
<b>4.2</b>	<b>MOST IMPORTANT SYMPTOMS &amp; EFFECTS (ACUTE &amp; DELAYED)</b>	SYMPTOMS/EFFECTS AFTER SKIN CONTACT : MAY CAUSE AN ALLERGIC SKIN REACTION. SYMPTOMS/EFFECTS AFTER EYE CONTACT : EYE IRRITATION.
<b>4.3</b>	<b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED</b>	TREAT SYMPTOMATICALLY.

## SECTION 5: FIRE FIGHTING MEASURES

<b>5.1</b>	<b>EXTINGUISHING MATERIAL</b>	<b>SUITABLE EXTINGUISHING MEDIA:</b> CARBON DIOXIDE, DRY CHEMICAL, FOAM. <b>UNSUITABLE EXTINGUISHING MEDIA:</b> DO NOT USE WATER JET AS AN EXTINGUISHER, AS THIS MAY SCATTER AND SPREAD FIRE.
<b>5.2</b>	<b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b>	A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH. DO NOT BREATHE IN SMOKE. THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES: CARBON DIOXIDE (CO <sub>2</sub> ), CARBON MONOXIDE (CO), OTHER TOXIC GASES. CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER.
<b>5.3</b>	<b>ADVICE FOR FIRE-FIGHTERS</b>	AVOID INHALATION OF GENERATED FUMES OR VAPOURS. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PROTECTIVE CLOTHING.

## SECTION 6: ACCIDENTAL RELEASE MEASURES


<b>6.1</b>	<b>PERSONAL PRECAUTIONS</b>	WEAR PROTECTIVE CLOTHING AS DESCRIBED IN SECTION 8 OF THIS SAFETY DATA SHEET. HANDLE THE PRODUCT USING PROTECTIVE GLOVES RESISTANT TO THE CHEMICALS EXPOSED. AVOID CONTACT WITH SKIN AND INHALATION OF ITS VAPOURS. MAINTAIN ADEQUATE VENTILATION IN THE WORKING AREA AFTER SPILLING.
<b>6.2</b>	<b>ENVIRONMENTAL PRECAUTIONS</b>	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.
<b>6.3</b>	<b>METHODS &amp; MATERIAL FOR CONTAINMENT AND CLEANING UP</b>	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.
<b>6.4</b>	<b>REFERENCES TO OTHER SECTIONS</b>	REFER & CONSIDER SECTION 7, 8. REFER & CONSIDER SECTION 13.

## SECTION 7: HANDLING & STORAGE

<b>7.1</b>	<b>PRECAUTIONS FOR SAFE-HANDLING</b>	ENSURE GOOD VENTILATION OF THE WORK STATION. OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. TAKE ALL NECESSARY TECHNICAL MEASURES TO AVOID OR MINIMIZE THE RELEASE OF THE PRODUCT ON THE WORKPLACE. LIMIT QUANTITIES OF PRODUCT AT THE MINIMUM NECESSARY FOR HANDLING AND LIMIT THE NUMBER OF EXPOSED WORKERS. PROVIDE LOCAL EXHAUST OR GENERAL ROOM VENTILATION. WEAR PERSONAL PROTECTIVE EQUIPMENT. FLOORS, WALLS AND OTHER SURFACES IN THE HAZARD AREA MUST BE CLEANED REGULARLY. AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY.
------------	--------------------------------------	---

	SEPARATE WORKING CLOTHES FROM TOWN CLOTHES. LAUNDRY SEPARATELY. CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. WASH CONTAMINATED CLOTHING BEFORE REUSE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. ALWAYS WASH HANDS AFTER HANDLING THE PRODUCT.
<b>7.2</b> CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN.
<b>7.3</b> SPECIFIC END USE(S)	NO DATA.

## SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

<b>8.1</b> CONTROL PARAMETERS	NO ADDITIONAL DATA AVAILABLE.
<b>8.2</b> EXPOSURE CONTROLS	
	
<b>EYE PROTECTION</b>	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
<b>HAND PROTECTION</b>	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
<b>RESPIRATORY EQUIPMENT</b>	UNDER NORMAL CONDITIONS OF USE AND WHERE ADEQUATE VENTILATION IS AVAILABLE TO PREVENT BUILD UP OF EXCESSIVE VAPOUR, THIS MATERIAL SHOULD NOT REQUIRE SPECIAL ENGINEERING CONTROLS. HOWEVER, IN CONDITIONS OF HIGH OR PROLONGED USE, OR HIGH TEMPERATURE OR OTHER CONDITIONS WHICH INCREASE EXPOSURE, THE FOLLOWING ENGINEERING CONTROLS CAN BE USED TO MINIMISE EXPOSURE TO PERSONNEL: A) INCREASE VENTILATION OF THE AREA WITH LOCAL EXHAUST VENTILATION. B) PERSONNEL CAN USE AN APPROVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE OR CANISTERS AND PARTICULATE FILTERS. C) USE CLOSED SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL. ALSO REFER TO SECTIONS 2 AND 7.
<b>HYGIENE MEASURES</b>	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. DO NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING.
<b>ENGINEERING MEASURES</b>	PROVIDE ADEQUATE VENTILATION.
<b>SKIN PROTECTION</b>	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
<b>PERSONAL PROTECTION</b>	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.
<b>OTHER PROTECTION</b>	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.
<b>PROCESS CONDITIONS</b>	ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.
<b>ENVIROMENTAL EXPOSURE CONTROLS</b>	AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES.

## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

<b>9.1</b> PHYSICAL & CHEMICAL PROPERTIES	
<b>APPEARANCE</b>	MOBILE OILY LIQUID
<b>COLOUR</b>	YELLOW BROWN – DARK YELLOW.
<b>ODOUR</b>	CHARACTERISTIC.
<b>RELATIVE DENSITY</b>	APPROX 1.040 @ 20°C
<b>FLASH POINT (°C)</b>	88°C
<b>REFRACTIVE INDEX @ 20 °C</b>	APPROX. 1.560 @ 20°C

<b>SOLUBILITY IN WATER @ 20 °C</b>	INSOLUABLE IN WATER.
<b>9.2 OTHER INFORMATION</b>	<b>BOILING POINT (°C): 245.7</b> <b>AUTO-IGNITION TEMPERATURE (°C): 380.0</b>
<b>SECTION 10: STABILITY &amp; REACTIVITY</b>	
<b>10.1 REACTIVITY</b>	PRESENTS NO SIGNIFICANT REACTIVITY HAZARDS, BY ITSELF OR IN CONTACT WITH WATER. STABLE UNDER NORMAL TEMPERATURE AND STORAGE CONDITIONS AND RECOMMENDED USE.
<b>10.2 CHEMICAL STABILITY</b>	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
<b>10.3 POSSIBILITY OF HAZARDOUS REACTIONS</b>	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.
<b>10.4 CONDITIONS TO AVOID</b>	KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. PREVENT STORING THE PRODUCT IN OPEN CONTAINERS FOR LONG PERIODS SO AS TO PREVENT PRODUCT DETERIORATION.
<b>10.5 INCOMPATIBLE MATERIALS</b>	AVOID CONTACT WITH STRONG ACIDS, ALKALIS OR OXIDISING AGENTS.
<b>10.6 HAZARDOUS DECOMPOSITION PRODUCTS</b>	NOT EXPECTED UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE. THERMAL DECOMPOSITION MAY RELEASE/FORM OXIDES OF CARBON (CARBON MONOXIDE, CARBON DIOXIDE) AND OTHER TOXIC GASES.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
<b>11.1 TOXICOLOGICAL EFFECTS</b>	
<b>ACUTE TOXICITY</b>	<p>NOT CLASSIFIED.</p> <p>CINNAMON LEAF OIL (84649-98-9)</p> <p>LD50 ORAL RAT 2650 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL RAT &gt; 5000 MG/KG BODYWEIGHT</p> <p>ALPHA-PINENE (80-56-8)</p> <p>LD50 ORAL 500 MG/KG BODYWEIGHT</p> <p>P-CYMENE (99-87-6)</p> <p>LD50 ORAL 4750 MG/KG BODYWEIGHT</p> <p>LINALOOL (78-70-6)</p> <p>LD50 ORAL 2790 MG/KG BODYWEIGHT</p> <p>ALPHA-TERPINEOL (98-55-5)</p> <p>LD50 ORAL 4300 MG/KG BODYWEIGHT</p> <p>SAFROLE (94-59-7)</p> <p>LD50 ORAL 1950 MG/KG BODYWEIGHT</p> <p>CINNAMALDEHYDE (104-55-2)</p> <p>LD50 ORAL 2500 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL 1100 MG/KG BODYWEIGHT</p> <p>CINNAMYL ACETATE (103-54-8)</p> <p>LD50 ORAL 3330 MG/KG BODYWEIGHT</p> <p>EUGENOL (97-53-0)</p> <p>LD50 ORAL 2500 MG/KG BODYWEIGHT</p> <p>EUGENYL ACETATE (93-28-7)</p> <p>LD50 ORAL 1670 MG/KG BODYWEIGHT</p> <p>CINNAMYL ALCOHOL (104-54-1)</p> <p>LD50 ORAL 2500 MG/KG BODYWEIGHT</p> <p>ISOEUGENOL (97-54-1)</p> <p>LD50 ORAL 1500 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL 1912 MG/KG BODYWEIGHT</p> <p>BENZYL BENZOATE (120-51-4)</p> <p>LD50 ORAL 1500 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL 4000 MG/KG BODYWEIGHT</p> <p>BENZALDEHYDE (100-52-7)</p> <p>LD50 ORAL 1430 MG/KG BODYWEIGHT</p> <p>EUCALYPTOL (470-82-6)</p>

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.

	LD50 ORAL	2480 MG/KG BODYWEIGHT
<b>SKIN IRRITATION</b>	NOT CLASSIFIED.	
<b>EYE DAMAGE OR IRRITATION</b>	CAUSES SERIOUS EYE IRRITATION.	
<b>RESPIRATORY OR SKIN SENSITIVITY</b>	SKIN - MAY CAUSE AN ALLERGIC SKIN REACTION.	
<b>GERM CELL MUTAGENICITY</b>	SUSPECTED OF CAUSING GENETIC DEFECTS.	
<b>CARCINOGENICITY</b>	MAY CAUSE CANCER.	
<b>REPRODUCTIVE TOXICITY</b>	NOT CLASSIFIED.	
<b>STOT – SINGLE EXPOSURE</b>	NOT CLASSIFIED.	
<b>STOT – REPEATED EXPOSURE</b>	NOT CLASSIFIED.	
<b>ASPIRATION HAZARD</b>	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.	
<b>OTHER INFORMATION</b>	NO DATA.	

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 TOXICITY</b>	ECOLOGY - GENERAL : TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. ACUTE AQUATIC TOXICITY : NOT CLASSIFIED CHRONIC AQUATIC TOXICITY : TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. <b>CINNAMON LEAF OIL (84649-98-9)</b> EC50 DAPHNIA 1 1.6 MG/L EC50 72H ALGAE (1) 17 MG/L
<b>12.2 PERSISTENCE &amp; DEGRADABILITY</b>	NO ADDITIONAL DATA AVAILABLE.
<b>12.3 BIO- ACCUMULATIVE POTENTIAL</b>	NO ADDITIONAL DATA AVAILABLE.
<b>12.4 MOBILITY IN SOIL</b>	NO ADDITIONAL DATA AVAILABLE.
<b>12.5 RESULTS OF PBT &amp; VPVB ASSESSMENT</b>	NO ADDITIONAL DATA AVAILABLE.
<b>12.6 OTHER ADVERSE EFFECTS</b>	NO ADDITIONAL DATA AVAILABLE.



## SECTION 13: DISPOSAL INFORMATION

<b>13.1 WASTE TREATMENT METHODS</b>	DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS.  <b>WASTE:</b> WASTE MANAGEMENT IS CARRIED OUT WITHOUT ENDANGERING HUMAN HEALTH, WITHOUT HARMING THE ENVIRONMENT AND, IN PARTICULAR WITHOUT RISK TO WATER, AIR, SOIL, PLANTS OR ANIMALS. RECYCLE OR DISPOSE OF WASTE IN COMPLIANCE WITH CURRENT LEGISLATION, PREFERABLY VIA A CERTIFIED COLLECTOR OR COMPANY. DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE. DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT.  <b>SOILED PACKAGING:</b> EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER. DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.
---	---

## SECTION 14: TRANSPORT INFORMATION

<b>14.1 TRANSPORT INFORMATION</b>	
<b>UN NUMBER</b>	ROAD: 3082 RAIL: 3082

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.

	AIR: 3082
14.2 UN SHIPPING NAME	ENVIRONMENTALLY HAZARD SUBSTANCE LIQUID, N.O.S (BENZYL BENZOATE)
14.3 TRANSPORT HAZARD CLASS(ES)	<p><b>ADR/RID</b></p> <p>CLASSIFICATION CODE (ADR): M6  SPECIAL PROVISIONS (ADR): 274, 335, 375, 601  LIMITED QUANTITIES (ADR): 5L  EXCEPTED QUANTITIES (ADR): E1  PACKING INSTRUCTIONS (ADR): P001, IBC03, LP01, R001  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  EMERGENCY ACTION CODE: *3Z</p> <p><b>IMDG</b></p> <p>IMDG: CLASS 9  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): S-F  STOWAGE CATEGORY (IMDG): A</p> <p><b>ICAO/IATA</b></p> <p>ICAO/IATA: CLASS 9  IATA PROPER SHIPPING NAME - ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.  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): 450L  CAO PACKING INSTRUCTIONS (IATA): 964  CAO MAX NET QUANTITY (IATA): 450L  SPECIAL PROVISIONS (IATA): A97, A158, A197  ERG CODE (IATA): 9L</p> <p>TRANSPORT LABEL:</p> 
14.4 PACKING GROUP	ADR/RID PACKING GROUP: III IMDG PACKING GROUP: III ICAO PACKING GROUP: III
14.5 ENVIROMENTAL HAZARDS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT. 
14.6 SPECIAL PRECAUTIONS FOR USER	SEE SECTIONS 6 – 8.

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.



<b>14.7</b> <b>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 &amp; THE IBC CODE.</b>	NOT APPLICABLE.
<b>SECTION 15: REGULATORY INFORMATION</b>	
<b>15.1</b> <b>PRODUCT SPECIFIC SAFETY, HEALTH &amp; ENVIRONMENTAL REGULATIONS &amp; LEGISLATION</b>	
<b>EU DIRECTIVES</b>	REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 <sup>TH</sup> DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS).
<b>STATUTORY INSTRUMENTS</b>	THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).
<b>APPROVED CODE OF PRACTICE</b>	CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS.
<b>GUIDANCE NOTES</b>	WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.
<b>15.2</b> <b>CHEMICAL SAFETY ASSESSMENT</b>	-

<b>SECTION 16: OTHER INFORMATION</b>	
HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H226 FLAMMABLE LIQUID AND VAPOUR. H228 FLAMMABLE SOLID. H302 HARMFUL IF SWALLOWED. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H312 HARMFUL IN CONTACT WITH SKIN. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H332 HARMFUL IF INHALED. H335 MAY CAUSE RESPIRATORY IRRITATION. H341 SUSPECTED OF CAUSING GENETIC DEFECTS. H350 MAY CAUSE CANCER. 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.
<b>TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.</b>	
<b>ABBREVIATIONS &amp; ACRONYMS:</b>	
<b>MSDS</b>	MATERIAL SAFETY DATA SHEET.
<b>INCI</b>	INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.
<b>CAS</b>	CHEMICAL ABSTRACT SERVICE.
<b>IMDG</b>	INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS.
<b>ADR</b>	ACCORD EUROPEAN SUR LE TRANSPORT DES MARCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).
<b>RID</b>	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL.
<b>ICAO</b>	INTERNATIONAL CIVIL AVIATION ORGANIZATION.
<b>ADN</b>	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS.

*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.*

<b>GHS</b>	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.
<b>TREM CARD</b>	TRANSPORT EMERGENCY CARD.
<b>STOT</b>	SPECIFIC TARGET ORGAN TOXICITY.

#### DOCUMENTATION REVISION

DATE	CHANGE DESCRIPTION
10 <sup>TH</sup> APRIL 2018	DATA LAUNCH
OCTOBER 2020	REVIEW
2021	REVIEW

*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.*