

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY / UNDERTAKING

➤ **Product Identifiers**

Product Code: RM0082	CAS No. (TSCA) :	8000-29-1
Product Name: CITRONELLA OIL	CAS No. (EINECS) :	N/A
Botanical/Chemical Name: <i>Cymbopogon winterianus</i> Jowitt	EINEC :	289-753-6
Molecular weight: N/A	FEMA No. :	2308
Molecular Formula: N/A	FDA No :	N/A
CLP Reference number: N/A		
Reach Registration number: N/A		
Reach Pre Registration number: N/A		
Application of the substance / preparation: Fragrance/ Flavour application		

➤ **Manufacturer / Supplier Details:**
Ultra International B.V.
Malledijk 3H, 3208 LA Spijkensisse, (Loods 12-15) Netherlands
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➤ **Information in case of emergency:**
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2. HAZARD IDENTIFICATION



➤ **Classification of the substance / preparation**
Classification according to Regulation (EC) No. 1272/2008
AH 1, EDI 1, EH A2, EH C2, FL 4, SCI 2, SS 1; H227, H304, H315, H317, H318, H411

Classification according to Directive 67/548/EEC or 1999/45/EC
Xn, N R38-41-43-65-51/53

➤ **Label Elements**
Label elements according to Regulation (EC) No. 1272/2008



Label elements according to Directive 67/548/EEC or 1999/45/EC

➤ **Classification system:**
The classification is according to the latest editions of EU lists, and extended by company and literature data.

➤ **Additional Information:**
See section 16 for the wordings of listed R-, S- phrases, H-statements and Hazard codes.

3. COMPOSITION / INFORMATION OF INGREDIENTS

➤ **Product Description:**
Essential Oil; UVCB; Substance of biological origin with variable and partially unknown composition.

➤ **Hazard Impurities:** Not Applicable

➤ **Content of R65 classified products:** 11%

➤ **Dangerous components:**

LIMONENE (CAS No 5989-27-5)	Xi N, R10-38-43-50/53;	Amount-1-5%
CITRONELLAL (CAS No. 106-23-0);	Xi, N, R38-41-43;	Amount: 30-45%
CITRONELLOL (CAS No. 106-22-9);	Xi, N, R38-43-51/53;	Amount: 9-15%

4. FIRST AID MEASURES

➤ **After Inhalation:**
Shift affected person to fresh air and to be sure call for a doctor.
In case of unconsciousness, place patient stably inside position for transportation.

➤ **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

➤ **After eye contact:** Remove contact lenses if worn. Rinse opened eye for several minutes under running water.

➤ **After swallowing:** Seek immediate medical attention.

➤ **General Information:**
Symptoms of poisoning may even occur after several hours: therefore medical observation for at least 48 hours after the accident.

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:**
Carbon di oxide, powder or water spray, Fight larger fires with water spray or alcohol resistant foam. Do not use a direct water jet on burning material.
- **Special hazards arising from the substance/mixture**
Specific hazards No data available
Precautions Do not smoke. Do not expose to a naked flame.
- **Advice to the fire-fighters**
 - Do not stay in dangerous zone without self-protective clothing and breathing apparatus.
 - Spray extinguishing media directly into the base of fire.
 - Cool containers exposed to flame with water.
 - Prevent fire fighting water entering surface water/ground water.





6. ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:**
Wear protective equipment, keep unprotected persons away.
Eliminate source of ignition, keep area well-ventilated and isolate the spill.
- **Environmental precautions**
Prevent entry into drains, ground/surface water or sewerage system.
Notify authorities if product enters sewers or public water.
- **Methods and materials for containment and clean up**
 - Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust etc.)
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
- **Reference to other sections**
Refer to section 7, 8 & 13

7. HANDLING AND STORAGE

- **Handling:**
Technical Close packing after use, Reproduce labeling if transfer in another container
Precaution Avoid any useless exposure, keep away from food and drinks.
Wash hands and any other zone exposed with soap and water before eating, drinking, to smoke and leaving.
Ensure good ventilation/exhaustion at the workplace.
Prevent entry into drains, ground/surface water or sewerage system
Wear protective clothings Take off contaminated clothing and wash before use.
- **Storage:**
 - Preserve only in containers of origin in a fresh place and broken down well.
 - Keep the containers closed out of their use.
 - Store away from foodstuff/oxidizing agent and incompatible materials
 - Store in cool, dry conditions in well sealed receptacles
- **Specific end use(s):**
No data available

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Exposure controls**
Appropriate engineering controls
Engineering controls should be used as the primary means to control exposures
Personal protective equipments
- | Skin protection | Eye protection | Body protection | Respiratory protection |
|---|---|---|---|
|  |  |  |  |
| Safety gloves | Tight safety goggles | Protective clothing | Dust mask |
- **Environmental exposure controls**
Prevent entry into drains, ground/surface water or sewerage system.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **General Information**
 - **Form** : Liquid
 - **Colour** : Pale yellow to tan
 - **Odour** : Fresh, sweet, geraniol, woody
 - **Odour Threshold** : N/A
- **Change in Condition**
 - **Melting Point °C** : N/A
 - **Boiling Point °C** : N/A

➤	Flash Point (Closed Cup) °C	:	>93°C
➤	Specific Gravity/Relative Density	:	0.875 - 0.893 @25°C
➤	Refractive Index	:	1.466 - 1.474 @20°C
➤	Vapour Density	:	N/A
➤	Vapour Pressure	:	N/A
➤	Solubility:		
	• Water	:	Insoluble
	• Alcohol	:	Soluble
➤	Flammability	:	N/A
➤	Auto Ignition Temperature	:	N/A
➤	Explosive Limits:		
	• Lower Explosion Limits	:	N/A
	• Upper Explosion Limits	:	N/A
➤	pH value	:	N/A
➤	Optical Rotation	:	-7° to 0°
➤	Surface Tension	:	N/A
➤	Partition Coefficient	:	N/A
➤	Granulometry	:	N/A
➤	Oxidisina Properties	:	N/A

10. STABILITY AND REACTIVITY

➤	Reactivity	<i>Not reactive, stable at room temperature.</i>
➤	Chemical stability	<i>Stable</i>
➤	Possibility of hazardous reactions	<i>Reactions with strong oxidizers</i>
➤	Conditions to avoid	<i>No decomposition if stored and handled properly</i>
➤	Incompatible materials	<i>Avoid strong acids strong bases and all oxidising agents</i>
➤	Hazardous decomposition products	<i>No dangerous decomposition products expected by intended us</i>

11. TOXICOLOGICAL INFORMATION

➤	Toxicological Information Acute	
	Oral	<i>No data available</i>
	Inhalation	<i>No data available</i>
	Skin	<i>No data available</i>
➤	Skin Irritation/Corrosion	<i>No data available</i>
➤	Eye irritation/Corrosion	<i>No data available</i>
➤	Skin Sensitization	<i>No data available</i>
➤	Respiratory sensitization	<i>No data available</i>
➤	CMR Effects	
	Carcinogen	<i>No data available</i>
	Mutagen	<i>No data available</i>
	Reprotoxic	<i>No data available</i>
➤	Exposure Limits	<i>No data available</i>

Note : There is a blanket recommendation of 10 mg/m3 for inspirable dusts or mists when limits have not otherwise been established.

12. ECOLOGICAL INFORMATION

➤	Toxicity	
	PNEC Oral	<i>No data available</i>
	EC50 (48hrs)	<i>No data available</i>
	LC50 (96hrs)	<i>No data available</i>
➤	Persistence and degradability	<i>Not Determined</i>
➤	Mobility in Soil	<i>Not Determined</i>
➤	Results of PBT and vPvB assessment	<i>No data available</i>
➤	Other adverse effects	<i>Not Determined</i>

13. DISPOSAL CONSIDERATION


- **Waste treatment methods:**
 - **Product/packaging disposal**
Handle in accordance with official provisions
 - **Waste treatment options**
Recycling is preferred to disposal or burning
 - **Disposal conditions**
Dispose of in accordance with all federal, state and local environmental regulations.
- **Recommendations:**
 - *Empty contaminated packing thoroughly as they may be recycled*
 - *Moistened solids to be dispose-off adhering to necessary technical regulations after consulting concerned authorities*

14. TRANSPORT INFORMATION

- **Land Transport (ADR/RID/GGVSE)**
 - UN Number 3082
 - DG Class 9
 - Packing Group III
 - Proper Shipping Name Environmentally Hazardous Preparation, Liquid
 - Classification code 3Z

 - **Sea Transport (IMDG-Code/GGVSE)**
 - UN Number 3082
 - DG Class 9
 - Packing Group III
 - Proper Shipping Name Environmentally Hazardous Preparation, Liquid
 - Marine Pollutant N/A

 - **Air Transport (ICAO-TI/IATA-DGR)**
 - UN Number 3082
 - DG Class 9
 - Packing Group III
 - Proper Shipping Name Environmentally Hazardous Preparation, Liquid

 - **ADR/IMDG/IATA Labels:**
- 
- **Special precautions for users:**
Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse. Prevent entry into drains, ground/surface water or sewerage system.
 - **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
N/A
 - **Other Information**
- | | |
|---------------------------|--------------|
| Custom Tariff Code | 3301.29.4100 |
| EmS Code | -- |

15. REGULATORY INFORMATION

- **EU regulations:**
The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials.
- **Water Hazard Class (Germany):** WGK 1
- **Chemical safety Assessment** No data available
- **Other Regulations**
 - EPA No
 - TSCA Yes
 - DSL Yes
 - Proposition 65 No

16. OTHER INFORMATION

Abbreviations used:

EC	European Commission
EU	European Union
DG	Dangerous Goods
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Commercial chemical Substances
GHS	Globally Harmonized System
CMR	Carcinogen, Mutagen, Reprotoxic
PNEC	Predicted No Effect Concentration
EC50	Effective Concentration 50 percent
LC50	Lethal Concentration 50 percent
PBT	Persistent Bioaccumulative and Toxic
vPvB	Very Persistent Very Bioaccumulative
EWC	European Waste Catalogue
EmS	Emergency Medical Services
ADR	Transport of Dangerous Goods by Road
RID	International Carriage of Dangerous Goods by Rail
GGVSE	German Regulation on the Transport of Dangerous Goods by Road and Rail
MDG	International Maritime Dangerous Goods
ICAO-TI	International Civil Aviation Organization-Technical Instructions
IATA-DGR	International Air Transport Association-Dangerous Goods Regulation
WGK	Wassergefährdungsklassen
EPA	Environmental Protection Agency
TSCA	Toxic Substance Control Act
DSL	Dangerous Substance List

Relevant R- and S- phrases

R38	IRRITATING TO SKIN.
R41	RISK OF SERIOUS DAMAGE TO EYES.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R65	HARMFUL:MAY CAUSE LUNG DAMAGE IF SWALLOWED.
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

SAFETY DATA SHEET

(According to Regulation (EC) No. 1907/2006 (REACH))

Version : SDS/2013/02

CITRONELLA OIL

Print Date : 21/4/2015

S24	AVOID CONTACT WITH SKIN.
S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.
S62	IF SWALLOWED, DO NOT INDUCE VOMITTING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.
S36/37/39	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

➤ **Relevant H-, P- Statements and Hazard Codes**

H227	COMBUSTIBLE LIQUID
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
H411	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS
P261	AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY
P273	AVOID RELEASE TO THE ENVIRONMENT
P280	WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
P331	DO NOT INDUCE VOMITING
P301+310	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
P333+313	IF SKIN IRRITATION OR A RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
FL 4	FLAMMABLE LIQUID 4
SCI 2	SKIN IRRITANT 2
EDI 1	EYE DAMAGE 1
SS 1	SKIN SENSITISATION 1
AH 1	ASPIRATION HAZARD CATEGORY 1
EH A2	ACUTE AQUATIC TOXICITY 2
EH C2	CHRONIC AQUATIC TOXICITY 2

Quality Declaration

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precaution.