	Ø.	SAFETY DATA SHEET (According to Regulation (EC) No. 1907/2006 (REACH)			Version : SDS/2010/01 Date: 20/08/2013 Revision :
	ULTRA INTERNATIONAL Service Service		CLOVE LEAF	OIL	Date: Page No. : Page 1 of 6
1. IDEI	NTIFICATION OF	THE SUBSTANCE/ I	MIXTURE AND OF THE COMP	PANY / UNDERTAKING	
1.1	Product Identifiers	5	Product Code Product Name CAS No.	1033 CLOVE LEAF OIL 8000-34-8	
			Index No. CLP Reference No.	N/A 02-2119667717-23-0000	
			REACH Pre-Registration No. EC No.	 284-638-7	
1.2	Use		FEMA No. Use in Flavour / Food Application	2325 n.	
1.3	Company / Under	aking Identification	Ultra International B.V. Malledijk 3H, 3208 LA Spijkeniss Tel : +3161 8431850 Fax : +5 E-mail : <u>ultraintl.nl@gmail.com</u>	91-120 - 437 4000	
1.4	Emergency Telep	none	+91-9810008844		
2. HA	ZARD IDENTIFIC	ATION			
2.1	Classification accor		No. 1272/2008 [CLP/GHS classifica	ation]	
	HAZARD CATEGO Aspiration hazard 1		HAZARD STATEMENT H304 MAY BE FATAL IF SWALLO	WED AND ENTERS AIRWAYS	

Aspiration hazard 1	H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS
Skin corrosion/irritation 3	H316 CAUSES MILD SKIN IRRITATION
Skin sensitization 1	H317 MAY CAUSE AN ALLERGIC SKIN REACTION
Acute toxicity, oral 5	H303 MAY BE HARMFUL IF SWALLOWED
Serious eye damage 2A	H319 CAUSES SERIOUS EYE IRRITATION
Aquatic Acute 2	H401 TOXIC TO AQUATIC LIFE

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R36 IRRITATING TO	EYES
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- R43 MAY CAUSE SENSITIZATION BY SKIN CONTACT
- R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED

## 2.2 Label Elements

Label elements according to Regulation (EC) No. 1272/2008 (Substance)/Directive 67/548/EEC Hazard Pictogram / Symbol:



Signal word / Indication(s) of danger: Danger

## Hazard Pictogram / Symbol:



Xn Harmful

## Hazard Statements

H317	MAY CAUSE AN ALLERGIC SKIN REACTION
H303	MAY BE HARMFUL IF SWALLOWED
H319	CAUSES SERIOUS EYE IRRITATION
H304	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS
H401	TOXIC TO AQUATIC LIFE

IUTDA			FETY DATA to Regulation (EC) No.			Version : Date: Revision :	SDS/2010/01 20/08/2013
INTERNATIONAL View Medical Distan	1033		CLOVE LEAF O	IL		Date: Page No. :	Page 2 of 6
Precautionary S							
P261	AVOID BREATHING DU						
P264	WASH (HANDS/FACE			i			
P273	AVOID RELEASE TO T				DOTECTION		
P280 P301+310				YE PROTECTION FACE I OR DOCTOR/PHYSICIA			
P305+351+338					CONTACT LENSES, IF F	PRESENT AND EA	SY TO DO
	CONTINUE RINSING	01100021 111					
P331	DO NOT INDUCE VOM	ITTING					
P333+313	IF SKIN IRRITATION OI	R RASH OCC	URS: GET MEDICAL A	DVICE/ATTENTION			
P337/313	IF EYE IRRITATION PE	RSISTS: GET	MEDICAL ADVICE/AT	TENTION			
P405	STORE LOCKED UP						
P501	DISPOSE OFF CONTAI	INERS TO	(IN ACCORDANCE WI	TH LOCAL/REGIONAL/N	ATIONAL/INTERNATIONA	L REGULATION)	
COMPOSITION / IN	FORMATION OF INGRED	IENTS					
Substance Name		VE LEAF OIL	-				
Substance Description		product is 10	0% essential oil.				
Substance Descriptio	200	`	,	R43; Amount: 75-85% Xn, R65; Amount: 8-209	6		
CAS No.	: 8000	)-34-8					
EC No.		638-7					
Botanical Name	: Euge	enia caryphyll	us				
Stabilizers	: N/A						
Hazard Impurities	: N/A						
Synonyms	=	enia caryphyll e Leaf oil	us Leaf Oil				
Index No.	: N/A						
CLP Reference No.	: 02-2	119667717-2	3-0000				
REACH Pre-Registrat	ion No. :						
REACH Pre-Registrat							
4. FIRST AID MEAS							
4. FIRST AID MEAS	SURES	emove conta	ct lenses if worn. Flus	n immediately with plent	y of water.		
4. FIRST AID MEAS 4.1 Description of F	SURES First Aid Measures : Re			n immediately with plent h affected area with mile			
4. FIRST AID MEAS 4.1 Description of I Eye Contact Skin Contact Inhalation	SURES First Aid Measures : Re : Re : Re	emove contai emove affecte	minated clothing. Was ed person to fresh air.		d soap and water.		
4. FIRST AID MEAS 4.1 Description of F Eye Contact Skin Contact Inhalation Swallowing	SURES First Aid Measures : Ri : Ri : Ri : Si	emove contai emove affecte eek immediat	minated clothing. Was ed person to fresh air. e medical care.	h affected area with mile	d soap and water.		
4. FIRST AID MEAS 4.1 Description of F Eye Contact Skin Contact Inhalation Swallowing 4.2 Indication of an	SURES First Aid Measures : Ri : Ri : Ri : Si y immediate medical attentio	emove contai emove affecte eek immediat on and specia	minated clothing. Was ed person to fresh air. e medical care. al treatment method	h affected area with mile	d soap and water.		
<ul> <li>4. FIRST AID MEAS</li> <li>4.1 Description of F Eye Contact Skin Contact Inhalation Swallowing</li> <li>4.2 Indication of an IF SWALLOWED</li> </ul>	SURES First Aid Measures : Re : Re : Se y immediate medical attentio : Immediately call a POISON C	emove contai emove affecte eek immediat on and specia CENTER or D	minated clothing. Was ed person to fresh air. e medical care. al treatment method loctor/Physician.	h affected area with mile If discomfort persists, c	d soap and water. onsult physician.		
<ul> <li>4. FIRST AID MEAS</li> <li>4.1 Description of F Eye Contact Skin Contact Inhalation Swallowing</li> <li>4.2 Indication of an IF SWALLOWED IF ON SKIN (or F</li> </ul>	SURES First Aid Measures : Ri : Ri : Ri : Si y immediate medical attentio : Immediately call a POISON C air): Remove /take off immedia	emove contai emove affecte eek immediat on and specia CENTER or D	minated clothing. Was ed person to fresh air. e medical care. al treatment method loctor/Physician.	h affected area with mile If discomfort persists, c	d soap and water. onsult physician.		
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## 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Measures to prevent fire

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Use explosion proof electrical/ ventilating/lighting/equipment etc.

Measures to prevent aerosols and dust generation

## Ensure good ventilation at workplaces

Measures to protect the environment

Prevent entry into drains, ground/surface water or sewerage system.

**General Occupational hygiene** 

Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse.

## 7.2 Conditions for safe use, including any incompatibilities

## Information on storage conditions

Should be stored in cool, dark, dry, well ventilated places in full, tightly sealed containers protected from light & source of ignition

#### Information on packing materials

Should be packed in Aluminium, HDPE Food Grade Cans, MS Coated Drums, and GI Drums, Avoid long contact with Iron

#### Requirements for storage rooms and vessels

Should be stored in suitable containers (lines inside) e.g. MS Coated Drums, GI Drums etc. No special requirement for storage rooms.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

## Exposure controls

## 8.1 Appropriate engineering controls

Engineering controls should be used as the primary means to control exposures

## 8.2 Personal protective equipments

Skin protection Eye protection



8.3





**Body protection** 

Protective clothing



Dust mask

**Respiratory protection** 

Safety gloves tight safety goggles

Environmental exposure controls

Prevent entry into drains, ground/surface water or sewerage system.

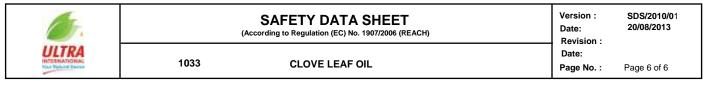
# 9. PHYSICAL AND CHEMICAL PROPERTIES

Liquid
Pale yellow to greenish yellow
Characteristic
Medium
N/A
N/A
N/A
>93.33 ⁰C
N/A
N/A
1.025 – 1.046 @25°C
1.525 – 1.535 @20ºC
N/A
N/A
nsoluble
1:2.70% alcohol

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Explosive Limits			
-Lower Explosion Limit		N/A	
-Upper Explosion Limit		N/A	
Auto ignition Tempera	ture	N/A	
Flammability		N/A	
Granulometry		N/A	
<b>Oxidising Properties</b>		N/A	
10. STABILITY AND F	EACTIVITY		
10.1 Reactivity			
Not reactive, stat	le at room temperature.		
10.2 Chemical stabili	у		
Stable			
10.3 Possibility of ha			
Reactions with st	•		
10.4 Conditions to av			
	n if stored and handled pro	operly	
10.5 Incompatible ma			
	s strong bases and all oxi	idising agents	
10.6 Hazardous deco			
	position products expected	d by intended us	
11. TOXICOLOGICA	L INFORMATION		
11.1 Acute toxicity or	al (LD50)	1.37 gm/kg	
11.2 Acute toxicity in		Not Determined	
11.3 Acute toxicity de		1.20 gm/kg	
11.4 Skin Irritation/Co		Not determined	
11.5 Respiratory sen	sitization	Not Determined	
11.6 CMR Effects			
Carcinogenicity Mutagenicity		N/A N/A	
Toxic to reprodu	ction	N/A	
11.7 Eye Irritation / C	orrosion	Not Determined	
11.8 Exposure limits		There is a blanket recommendation of 10 mg/m3 for inspirable dusts or	mists when limits have not otherwise been
		established.	
12. ECOLOGICAL IN	FORMATION		
12.1 Toxicity			
PNEC		: Not determined	
NOAEL EC50 (48brs)		Not determined     Not determined	
EC50 (48hrs)	to one del US		
12.2 Persistence and	degradability	: Readily biodegradable in water	
12.3 Mobility in Soil	and vDvD possesses	: Low mobility	
12.4 Results of PBT a	ing veve assessment		
13. DISPOSAL CONS			
13.1 Waste treatment			
Product/packagi	ince with official provision	IS	
<b>Product/packagi</b> Handle in accorda			
Product/packagi Handle in accorda Waste treatment	options		
Product/packagi Handle in accorda Waste treatment Recvcling is prefe	options rred to disposal or burning		
Product/packagi Handle in accorda Waste treatment Recvcling is prefe Waste code /Wa	options rred to disposal or burning ste designations accord	ling to EWC/AVV	taminated by dangerous substances
Product/packagi Handle in accorda Waste treatment Recvcling is prefe Waste code /Wa	options rred to disposal or burning ste designations accord ents, filter materials (inclu		taminated by dangerous substances

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4. TRANSPORT INF	ORMATION		
14.1 Land Transport	(ADR/RID/GGVSE)		
UN Number DG Class		Not regulated N/A	
Packing Group		N/A	
Proper Shipping	J Name	N/A	
Classification C	ode	N/A	
Hazard label(s)		N/A	
14.2 Sea Transport (I UN Number	MDG-Code/GGVSee)	Not	
• • •			
DG Class		N/A	
Packing Group		N/A	
Proper Shippin	-	N/A	
Marine Pollutar		N/A	
Hazard label(s)		N/A	
14.1 Air Transport (IC	CAO-IAT/DGR)		
UN Number		Not regulated	
DG Class		N/A	
Packing Group		N/A	
Proper Shippin 14.4 Special precautio	-	N/A	
14.5 Transport in bulk N/A 14.6 Other Information Custom Tariff C	n ode : 3301 29		
N/A 14.6 Other Information	n ode : 3301 25 : -		
N/A 14.6 Other Information Custom Tariff C EmS Code 	n ode : 3301 29 : - FORMATION	9 2100	
N/A 14.6 Other Information Custom Tariff C EmS Code . REGULATORY INF EU regulations: The product has been	n ode : 3301 24 : - FORMATION		EC, and following the recommendations of EFI
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Xn HARMFUL



# Risk Phrases

R 36	IRRITATING TO EYES
R 43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R 65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED

## Safety Phrases

S24	AVOID CONTACT WITH SKIN
S37	WEAR SUITABLE GLOVES
S62	IF SWALLOWED, DO NOT INDUCE VOMITTING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

#### Hazard Statements

H303	MAY BE HARMFUL IF SWALLOWED
H304	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS
H316	CAUSES MILD SKIN IRRITATION
H317	MAY CAUSE AN ALLERGIC SKIN REACTION
H319	CAUSES SERIOUS EYE IRRITATION
H401	TOXIC TO AQUATIC LIFE

## Precautionary Statements

P261	AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY
P264	WASH (HANDS/FACE) THOROUGHLY AFTER HANDLING
P273	AVOID RELEASE TO THE ENVIRONMENT
P280	WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION FACE PROTECTION
P301+310	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
P305+351+338	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.
	CONTINUE RINSING
P331	DO NOT INDUCE VOMITTING
P333+313	IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
P337/313	IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION
P405	STORE LOCKED UP
P501	DISPOSE OFF CONTAINERS TO (IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATION)

## 16.5 Training advice appropriate for workers

N/A

### 16.6 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. It does not represent a guarantee of the properties of the product.