	SAFETY DATA SHEET (According to Regulation (EC) No. 1907/2006 (REACH))	Version : SDS/2010/1 Date: 24/08/2013 Revision : Date: Page No. : Page 1 of 6
	UIL101698 PALMAROSA OIL	

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

1.1	Product Identifiers	Product Code UIL101698 Product Name PALMAROSA OIL CAS No. 8014-19-5 Index No. N/A CLP Reference No. N/A REACH Registration No. N/A EC No. 283-461-2 FEMA No. 2831
1.2	Use	Use in Flavour / Food Application.
1.3	Company / Undertaking Identification	Ultra International Ltd. 64 / 1, Site-IV, Industrial Area, Sahibabad - 201010 (U.P.) India Tel: +91 -120 - 4388500 Fax: +91-120 - 437 4000 / 437 4444 E-mail: ultra@ultraintl.com Website: www.ultrainternational.com +91-9810008844
1.4	Emergency Telephone	

2. HAZARD IDENTIFICATION



2.1 Classification of the substance / preparation	
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS classification]	
<u>HAZARD CATEGORY</u>	<u>HAZARD STATEMENTS</u>
Skin Corrosion/Irritation 2	H315 CAUSES SKIN IRRITATION
Skin Sensitization 1	H317 MAY CAUSE AN ALLERGIC SKIN REACTION
Eye damage 1	H318 CAUSE SERIOUS EYE DAMAGE
Aquatic acute 2	H401 TOXIC TO AQUATIC LIFE
Aquatic Chronic 3	H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS

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

R38	IRRITATING TO SKIN
R41	RISK OF SERIOUS DAMAGE TO EYES
R43	MAY CAUSE SENSITISATION BY SKIN CONTACT
R52/53	HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

2.2 **Label Elements**
 Label elements according to Regulation (EC) No. 1272/2008 (Substance)/Directive 67/548/EEC

Hazard Pictogram / Symbol:

 GHS 05	 GHS 07
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Signal word / Indication(s) of danger:
 Danger

Hazard Pictogram / Symbol:

	Xi IRRITANT
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Hazard Statements

H315	CAUSES SKIN IRRITATION
H317	MAY CAUSE AN ALLERGIC SKIN REACTION
H318	CAUSE SERIOUS EYE DAMAGE
H401	TOXIC TO AQUATIC LIFE
H412	HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS



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Precautionary Statements

P273 AVOID RELEASE TO THE ENVIRONMENT
P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
P302+325 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER
P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING
P333+313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
P501 DISPOSE OF CONTENTS/CONTAINER TO ... (IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATION).

3. COMPOSITION / INFORMATION OF INGREDIENTS

Substance Name : PALMAROSA OIL
Product description : This product is 100% essential oil.
Hazardous Components : GERANIOL (CAS No 106-24-1); Xi, R38, R 41, R43
GERANYL ACETATE (CAS No 105-87-3); N; R 51/53
LINALOOL (CAS No 78-70-6); Xi, R38
CAS No : 8014-19-5
EC No : 283-461-2
Botanical Name : *Cymbopogon martinii (Roxb.) Wats.*
Stabilizers : N/A
Hazard Impurities : N/A
Synonyms : PALMAROSA OIL
Cymbopogon martini ext.
Index No. : N/A
CLP Reference No. : N/A
REACH Registration No. : N/A

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye Contact : Remove contact lenses if worn. Flush immediately with plenty of water.
Skin Contact : Remove contaminated clothing. Wash affected area with mild soap and water.
Inhalation : Remove affected person to fresh air. If discomfort persists, consult physician.
Swallowing : Seek immediate medical care.

4.2 Indication of any immediate medical attention and special treatment method

IF SWALLOWED: Immediately call a POISON CENTER or Doctor/Physician.
IF ON SKIN (or hair): Remove /take off immediately all contaminated clothing. Rinse skin with water /shower.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

- Suitable : Carbon Dioxide; Dry Chemical; Universal Type Foam.
- Unsuitable : Water spray; others not established.

5.2 Special hazards arising from substance

Combustible liquid Possibility of development of hazardous gases or vapors in event of fire Following may develop: CO and CO2

5.3 Advice for fire fighters

Do not stay in dangerous zone without self protective clothing and breathing apparatus Spray extinguishing media directly into base of fire Cool containers exposed to flame with water Prevent fire fighting water entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

Wear personal protective clothing. Keep away unprotected individuals. Eliminate source of ignition. Keep area well ventilated and isolate the spill.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Pick up with absorbents material (Sand) or with pump for large spills.

6.4 Reference to other sections

Refer to Section 7, 8 & 13



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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



Safety gloves

Eye protection



tight safety goggles

Body protection



Protective clothing

Respiratory protection



Dust mask

8.3 Environmental exposure controls

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

-physical state
-colour

Liquid
Pale yellow

Odour

Characteristic, sweet rose like

Odour Threshold

Medium

pH

N/A

Melting Point °C

N/A

Boiling Point °C

Not Determined

Flash Point (Closed Cup) °C

100 °C

Vapour Pressure

Not Estimated

Vapour Density

Not Estimated

Specific Gravity /Relative Density

0.878 - 0.892 @ 25°C

Refractive Index

1.470 - 1.478 @ 20° C

Optical Rotation

-2° to +3°

Surface tension

Not Estimated

Solubility

-Water

Insoluble

-Alcohol

1:3 (v/v) in 70% alcohol

Viscosity

Not Estimated

Partition Coefficient

Not estimated



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PALMAROSA OIL

Explosive Limits

-Lower Explosion Limit	N/A
-Upper Explosion Limit	N/A
Auto ignition Temperature	N/A
Flammability	NO
Granulometry	N/A
Oxidising Properties	N/A

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive, stable at room temperature.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Reactions with strong oxidizers

10.4 Conditions to avoid

No decomposition if stored and handled properly

10.5 Incompatible materials

Avoid strong acids strong bases and all oxidising agents

10.6 Hazardous decomposition products

No dangerous decomposition products expected by intended use

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity oral (LD50)	>5000 mg/kg bw (Rat)
11.2 Acute toxicity inhalation	Not determined
11.3 Acute toxicity dermal (LD50)	>5000 mg/kg bw (Rabbit)
11.4 Skin Irritation/Corrosion	Not determined
11.5 Respiratory sensitization	Not determined
11.6 Skin sensitization	N/A
11.7 CMR Effects	
Carcinogenicity	No
Mutagenicity	No
Toxic to reproduction	No
11.8 Eye Irritation / Corrosion	Not determined
11.9 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 INFORMATION

12.1 Toxicity	
PNEC Oral	: N/A
NOAEL	: N/A
EC50 (48hrs)	: N/A
LC50 (96hrs)	: N/A
12.2 Persistence and degradability	: Readily biodegradable in water
12.3 Mobility in Soil	: Low mobility
12.4 Results of PBT and vPvB assessment	
	N/A

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Product/packaging disposal

Handle in accordance with official provisions

Waste treatment options

Recycling is preferred to disposal or burning


Waste code /Waste designations according to EWC/AVV

15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

13.2 Recommendations

Empty contaminated packing thoroughly as they may be recycled

Moistened solids to be disposed off adhering to necessary technical regulations after consulting concerned authorities

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14. TRANSPORT INFORMATION

14.1 Land Transport (ADR/RID/GGVSE)

UN Number	Not Regulated
DG Class	N/A
Packing Group	N/A
Proper Shipping Name	N/A
Classification Code	N/A
Hazard Labels	N/A

14.2 Sea Transport (IMDG-Code/GGVSee)

UN Number	Not Regulated
DG Class	N/A
Packing Group	N/A
Proper Shipping Name	N/A
Marine Pollutant	N/A
Hazard Labels	N/A

14.3 Air Transport (ICAO-IAT/DGR)

UN Number	Not Regulated
DG Class	N/A
Packing Group	N/A
Proper Shipping Name	N/A
Hazard Labels	N/A

14.4 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.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

N/A

14.6 Other Information

Custom Tariff Code	:	3301 29 3300
EmS Code	:	-

15. REGULATORY INFORMATION

EU regulations:

The product has been classified and labelled according to criteria provided in Directive 67/548/EEC and 1272/2008/EC, and following the recommendations of EFFA (European Flavor and Fragrance Association).

Other Regulations: German Regulation (VwVws)


Water Hazard Class	:	WGK 2
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16. OTHER INFORMATION

Changes applicable according to regulation (EC) No 1907/2006 (REACH)

16.2 Abbreviations and acronyms

GHS	:	Globally Harmonized System of Classification and labeling of Chemicals
CAS	:	Chemical abstract Service (division of American Chemical society)
CLP	:	Classification, Labelling and Packaging
LD50	:	Lethal concentration, 50 percent
EC50	:	Effective concentration, 50 percent
PNEC	:	Predicted No Effect Concentration
NOAEL	:	No Observed Adverse Effect Levels
ADR	:	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	:	Regulations Concerning the International Transport of Dangerous Goods by Rail

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IMDG : International Maritime Code for Dangerous Goods
IATA : International Air Transport Association
IATA-DGR : Dangerous Goods Regulations by the International Air Transport Association (IATA)
ICAO : International Civil Aviation Organization

16.4 Wording of relevant hazard statement and/or precautionary statements referred to in section 2 to 15

Hazard Codes

Xi IRRITANT

Risk Phrases

R38 IRRITATING TO SKIN
R41 RISK OF SERIOUS DAMAGE TO EYES
R43 MAY CAUSE SENSITISATION BY SKIN CONTACT
R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

Safety Phrases

S24 AVOID CONTACT WITH SKIN
S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE
S37 WEAR SUITABLE GLOVES
S39 WEAR EYE/FACE PROTECTION

Hazard Statements

H315 CAUSES SKIN IRRITATION
H317 MAY CAUSE AN ALLERGIC SKIN REACTION
H318 CAUSE SERIOUS EYE DAMAGE
H401 TOXIC TO AQUATIC LIFE
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P333+313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
P501 DISPOSE OF CONTENTS/CONTAINER 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.