	SAFETY DATA SHEET (According to Regulation (EC) No. 1907/2006 (REACH))	Version : SDS/2010/01 Date: 20/08/2013 Revision : Date: Page No. : Page 1 of 6
	RM0006	CASSIA OIL CHINESE

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

1.1	Product Identifiers	Product Code : RM0006 Product Name : CASSIA OIL CHINESE CAS No. : 8007-80-5 Index No. : N/A CLP Reference No. : 02-2119666086-33-0000 REACH Pre-Registration No. : --- EC No. : 284-635-0 FEMA : 2258
1.2	Use	Use in Flavour / Food Application.
1.3	Company / Undertaking Identification	Ultra International B.V. Malledijk 3H, 3208 LA Spijkenisse, (Loods 12-15), Netherlands Tel : +3161 8431850 Fax : +91-120 - 437 4000 E-mail : ultraintl.nl@gmail.com * www.ultrainternational.com
1.4	Emergency Telephone	+91-9810008844

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 STATEMENT</u>
Flammable Liquid 4	H227 COMBUSTIBLE LIQUID
Acute Toxicity Oral 5	H303 MAY BE HARMFUL IF SWALLOWED
Acute Toxicity Dermal 4	H312 HARMFUL IN CONTACT WITH SKIN
Skin Corrosion/Irritation	H315 CAUSES SKIN IRRITATION
Skin Sensitization 1	H317 MAY CAUSE AN ALLERGIC SKIN REACTION
Serious Eye Damage/Irritation	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

R 24	TOXIC IN CONTACT WITH SKIN
R 36/38	IRRITATING TO EYES AND SKIN

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



GHS 07

Signal word / Indication(s) of danger:

WARNING

Hazard Pictogram / Symbol:



Xn HARMFUL

Hazard Statements

H227	COMBUSTIBLE LIQUID
H303	MAY BE HARMFUL IF SWALLOWED
H312	HARMFUL IN CONTACT WITH SKIN
H315	CAUSES SKIN IRRITATION
H317	MAY CAUSE AN ALLERGIC SKIN REACTION
H319	CAUSES SERIOUS EYE IRRITATION
H401	TOXIC TO AQUATIC LIFE



SAFETY DATA SHEET

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

Version : SDS/2010/01
Date: 20/08/2013
Revision :
Date:
Page No. : Page 2 of 6

RM0006

CASSIA OIL CHINESE

Precautionary Statements

P210	KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. – NO SMOKING
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
P301+310	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
P303+361+353	IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER
P331	DO NOT INDUCE VOMITTING
P333+313	IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
P403+235	STORE IN A WELL VENTILATED PLACE, KEEP COOL
P501	DISPOSE OFF CONTENTS/CONTAINER TO ... (IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATION.

COMPOSITION / INFORMATION OF INGREDIENTS

Substance Name	: CASSIA OIL CHINESE
Product description	: This product is 100%essential oil
Hazardous Componentes	: BENZALDEHYDE (CAS No100-52-7); Xn, R22 COUMARIN (CAS No 91-64-5); Xn, R22, R43
CAS No.	: 84961-46-6
EC No.	: 284-635-0
Botanical Name	: <i>Cinnamomum cassia Blume (Lauraceae)</i>
Stabilizers	: N/A
Synonyms	: CASSIA OIL CHINESE N/A
Index No.	: N/A
CLP Reference No.	: 02-2119666086-33-0000
REACH Pre-Registration No.	: ----

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

	SAFETY DATA SHEET (According to Regulation (EC) No. 1907/2006 (REACH))	Version : SDS/2010/01 Date: 20/08/2013 Revision : Date: Page No. : Page 3 of 6
	RM0006	CASSIA OIL CHINESE

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

Liquid

-color

Pale yellow to yellow

Odour

Characteristic of cassia cinnamon

Odour Threshold

Medium

pH

Not Estimated

Melting Point °C

Not Estimated

Boiling Point °C

Not Estimated

Flash Point (Closed Cup) °C

138 °C

Vapour Pressure

Not Estimated

Vapour Density

Not Estimated

Specific Gravity /Relative Density

1.045 - 1.063 @ 25 °C

Refractive Index

1.602 - 1.614 @ 20 °C

Partition Coefficient

Not Estimated

Surface tension

Not Estimated

Solubility

-Water

Insoluble

-Alcohol

1:2 (v/v) in 70% ethanol

Optical Rotation

- 1° to + 1°


Viscosity

Not Estimated

Explosive properties

N/A

Explosive Limits

	SAFETY DATA SHEET (According to Regulation (EC) No. 1907/2006 (REACH))	Version : SDS/2010/01 Date: 20/08/2013 Revision : Date: Page No. : Page 4 of 6
	RM0006	CASSIA OIL CHINESE

-Lower Explosion Limit	N/A
-Upper Explosion Limit	N/A
Auto ignition Temperature	Not Estimated
Flammability	Combustible liquid
Granulometry	N/A
Oxidising Properties	Not Estimated

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 us

11. TOXICOLOGICAL INFORMATION


- 11.1 **Acute toxicity oral (LD50)** 2.8 ml/kg
- 11.2 **Acute toxicity inhalation** Not Determined
- 11.3 **Acute toxicity dermal** 0.32 ml/kg
- 11.4 **Skin Irritation/Corrosion** Not Determined
- 11.5 **Respiratory sensitization** Not Determined
- 11.6 **CMR Effects**
 - Carcinogenicity** No
 - Mutagenicity** No
 - Toxic to reproduction** No
- 11.7 **Eye Irritation / Corrosion** 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 INFORMATION

- 12.1 **Toxicity**
 - PNEC** : Not Determined
 - NOAEL** : Not Determined
 - EC50 (48hrs)** : Not Determined
- 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

	SAFETY DATA SHEET (According to Regulation (EC) No. 1907/2006 (REACH))	Version : SDS/2010/01 Date: 20/08/2013 Revision : Date: Page No. : Page 5 of 6
	RM0006	CASSIA OIL CHINESE

14. TRANSPORT INFORMATION

14.1 Land Transport (ADR/RID/GGVSE)

UN Number 2810
DG Class 6.1
Packing Group III
Proper Shipping Name TOXIC LIQUID, ORGANIS, N.O.S. (Cinnamon bark oil)
Classification Code N/A
Hazard Label(s) N/A

14.2 Sea Transport (IMDG-Code/GGVSee)

UN Number 2810
DG Class 6.1
Packing Group III
Proper Shipping Name TOXIC LIQUID, ORGANIS, N.O.S. (Cinnamon bark oil)
Marine Pollutant N/A
Hazard Label(s) N/A

14.1 Air Transport (ICAO-IAT/DGR)

UN Number 2810
DG Class 6.1
Packing Group III
Proper Shipping Name TOXIC LIQUID, ORGANIS, N.O.S. (Cinnamon bark oil)

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 6000
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 WGK3


16. OTHER INFORMATION

16.1 Changes to previous version

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
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
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

	SAFETY DATA SHEET (According to Regulation (EC) No. 1907/2006 (REACH))	Version : SDS/2010/01 Date: 20/08/2013 Revision : Date: Page No. : Page 6 of 6
	RM0006	CASSIA OIL CHINESE

16.3 Method of evaluating information referred to in Article 9 of Regulation (EC) No. 1272/2008 used for the purpose of classification

N/A

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

Hazard Codes

T TOXIC

Risk Phrases

R 24 TOXIC IN CONTACT WITH SKIN
 R 36/38 IRRITATING TO EYES AND SKIN

Safety Phrases

S 26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE
 S 36 WEAR SUITABLE PROTECTIVE CLOTHING
 S 45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY(SHOW THE LABEL WHERE POSSIBLE)

Hazard Statements

H227 COMBUSTIBLE LIQUID
 H303 MAY BE HARMFUL IF SWALLOWED
 H312 HARMFUL IN CONTACT WITH SKIN
 H315 CAUSES SKIN IRRITATION
 H317 MAY CAUSE AN ALLERGIC SKIN REACTION
 H319 CAUSES SERIOUS EYE IRRITATION
 H401 TOXIC TO AQUATIC LIFE

Precautionary Statements

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. – NO SMOKING
 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
 P301+310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
 P303+361+353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER
 P331 DO NOT INDUCE VOMITTING
 P333+313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
 P403+235 STORE IN A WELL VENTILLATED PLACE, KEEP COOL
 P501 DISPOSE OFF 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.