



CERTIFICATE OF ANALYSIS

PRODUCT	GINGER OILCHINESE
Batch	4368909
Best Before End	August 2022
Appearance	Clear, bright yellow liquid
Odour	Characteristic of ginger
Specific gravity @ 25°C	0.875
Refractive Index @ 20°C	1.489
Optical rotation	-34.92
Saponification value	<20

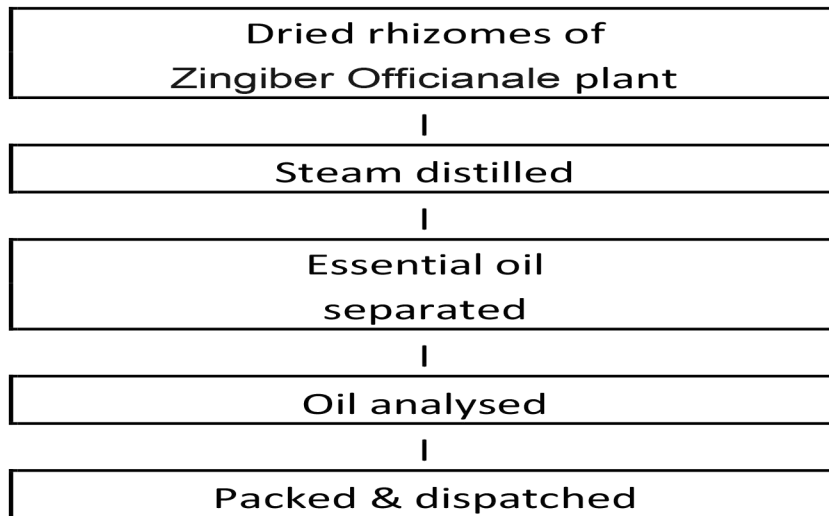
ALLERGENS LIST

PRODUCT: Ginger oil Chinese

Product	CAS number		%
Amyl cinnamic alcohol	101-85-9	Not found in nature	
Amyl cinnamic aldehyde	122-40-7	Not found in nature	
Anisyl alcohol	105-13-5		
Benzyl alcohol	100-51-6		
Benzyl benzoate	120-51-4		
Benzyl cinnamate	103-41-3		
Benzyl salicylate	118-58-1		
Cinnamic alcohol	104-54-1		
Cinnamic aldehyde	104-55-2		
Citral	5392-40-5		0.7
Citronellol	106-22-9		
Coumarin	91-64-5		
Eugenol	97-53-0		
Farnesol	4602-84-0		
Geraniol	106-24-1		
Hexyl cinnamic aldehyde	101-86-0	Not found in nature	
Hydroxycitronellal	107-75-5	Not found in nature	
Hydroxymethylpentylcyclohexenecarboxaldehyde	31906-4-4	Not found in nature	
Isoeugenol	97-54-1		
2-(4-tert-butylbenzyl)propionaldehyde	80-54-6		
Limonene	5989-27-5		2
Linalol	78-70-6		0.6
Methylheptine carbonate	111-12-6	Not found in nature	
Methyl ionone	127-51-5	Not found in nature	
Oakmoss extract	9028-68-55		
Treemoss extract	84696-53-7		

Process flow Chart

Ginger Oil





GMO Statement

PRODUCT NAME: GINGER OIL

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

25/06/18

IFRA 48 INFORMATION SHEET

Product name: Ginger Oil

This material complies with the most current IFRA Guidelines? (IFRA 48)

According to the IFRA 48th amendment, please complete the tables below:

Yes

No

EU Fragrance Allergens

Ingredient Name	CAS number	% Total
alpha-Amyl Cinnamic Aldehyde	122-40-7	0
alpha-Amyl Cinnamic Alcohol	101-85-9	0
Anisyl Alcohol	105-13-5 1331-81-3	0
Benzyl Alcohol	100-51-6	0
Benzyl Benzoate	120-51-4	0
Benzyl Cinnamate	103-41-3	0
Benzyl Salicylate	118-58-1	0
Cinnamic Alcohol	104-54-1	0
Cinnamic Aldehyde	104-55-2	0
Citral (mixture of neral + geranial)	5392-40-5	0.7
Citronellol	106-22-9	0
Coumarin	91-64-5	0
Eugenol	97-53-0	0
Farnesol	4602-84-0	0
gamma-Methyl Ionone	127-51-5	0
Geraniol	106-24-1	0.2
Hexyl Cinnamic Aldehyde	101-86-0	0
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4 51414-25-6	0
Hydroxycitronellal	107-75-5	0
Iso Eugenol	97-54-1	0
Butylphenyl Methylpropional	80-54-6	0
Limonene	5989-27-5 138-86-3 5989-54-8	2
Linalool	78-70-6	0.6
Methyl Heptine Carbonate	111-12-6	0
Oakmoss	68917-10-2 90028-68-5	0
Treemoss	68648-41-9 90028-67-4	0

IFRA 48th Amendment restricted substances

Ingredient Name	CAS number	% Total
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (Trimofix O, Fixamber)	144020-22-4 28371-99-5	0
5-Acetyl-1,1,2,3,3,6-hexamethyl indan (AHMI)	15323-35-0	0
Acetylated Vetiver oil	117-98-6 62563-80-8 68917-34-0 73246-97-6 84082-84-8	0
Allyl phenoxyacetate	7493-74-5	0
Angelica root oil	8015-64-3	0
Benzaldehyde	100-52-7	0
Bergamot oil expressed	8007-75-8	0
Bitter orange peel oil expressed	68916-04-1 72968-50-4	0
α -Butylcinnamaldehyde	7492-44-6	0
p-tert-Butyldihydrocinnamaldehyde (Bourgeonal)	18127-01-0	0
Carvone	99-49-0	0
d-Carvone	2244-16-8	0
l-Carvone	6485-40-1	0
Cinnamic aldehyde dimethyl acetal	4364-06-1	0
Cinnamyl nitrile	1885-38-7 4360-47-8	0
Citrus oils and other furocoumarins containing essential oils (Bergapten)	-	0
Cuminaldehyde	122-03-2	0
Cumin oil	8014-13-9	0
Cyclamen aldehyde	103-95-7	0
Cyclopentadecanolide	106-02-5	0
Dibenzyl ether	103-50-4	0
Dihydrocoumarin	119-84-6	0
6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone (DPMI, Cashmeran)	33704-61-9	0
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers)	68737-61-1 68039-49-6 68039-48-5 27939-60-2 67801-65-4 36635-35-5 68084-52-6 35145-02-9	0
1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one	56973-85-4	0
2,2-Dimethyl-3-(3-tolyl)propan-1-ol (Majantol)	103694-68-4	0
2-Ethoxy-4-methylphenol	2563-07-7	0
p-Ethylbenzaldehyde	4748-78-1	0
Estragole	140-67-0	0
Furfural	98-01-1	0
Grapefruit oil expressed	8016-20-4	0
2-Heptylidene cyclopentan-1-one	39189-74-7	0
trans-2-Hexenal	6728-26-3	0

Ingredient Name	CAS number	% Total
α -Hexylidene cyclopentanone	17373-89-6	0
Hexyl salicylate	6259-76-3	0
p-Isobutyl- α -methyl hydrocinnamaldehyde	6658-48-6	0
Isocyclocitral	1335-66-6 1423-46-7 67634-07-5	0
Isocyclogeraniol	68527-77-5	0
Jasmine absolute (grandiflorum)	8022-96-6 8024-43-9 90045-94-6 84776-64-7	0
Jasmine absolute (sambac)	91770-14-8	0
Lemon oil cold pressed	8008-56-8	0
Lime oil expressed	8008-26-2	0
Melissa oil (genuine <i>Melissa officinalis</i> L.)	8014-71-9 84082-61-1	0
p-Mentha-1,8-dien-7-al (<i>Perilla</i> aldehyde)	2111-75-3	0
Menthadiene-7-methyl formate	68683-20-5	0
p-Methoxybenzaldehyde	123-11-5	0
o-Methoxycinnamaldehyde	1504-74-1	0
Methoxy dicyclopentadiene carboxaldehyde (<i>Scentenal</i>)	86803-90-9	0
4-Methoxy- α -methylbenzenepropanal	5462-06-6	0
2-Methoxy-4-methylphenol	93-51-6	0
3-(m-tert-Butylphenyl)-2- methylpropionaldehyde (m-BMHCA)	62518-65-4	0
α -Methyl-1,3-benzodioxole-5-propionaldehyde (MMDHCA)	1205-17-0	0
α -Methyl cinnamic aldehyde	101-39-3	0
Methyl eugenol	93-15-2	0
6-Methyl-3,5-heptadien-2-one (methyl heptadienone)	1604-28-0	0
Methyl ionone, mixed isomers	1335-46-2 127-42-4 127-43-5 127-51-5 7779-30-8 79-89-0	0
Methyl N-methylantranilate	85-91-6	0
Methyl octine carbonate	111-80-8	0
3-Methyl-2-(pentyloxy)cyclopent-2-en-1-one	68922-13-4	0
Methyl β -naphthyl ketone	93-08-3	0
2-Nonyl-1-al dimethyl acetal	13257-44-8	0
OTNE (1-(1,2,3,4,5,6,7,8 Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone)	54464-57-2	0
1-Octen-3-yl acetate	2442-10-6	0
Opoponax (all forms)	8021-36-1 9000-78-6 93384-32-8	0
Peru balsam extracts and distillates	8007-00-9	0
1-(2,4,4,5,5-Pentamethyl-1-cyclopenten-1-yl)ethan-1-one	13144-88-2	0
Phenylacetaldehyde	122-78-1	0

Ingredient Name	CAS number	% Total
3-Phenylbutanal	16251-77-7	0
2-Phenylpropionaldehyde	93-53-8	0
3-Propylidene-phthalide	17369-59-4	0
Rose ketones	23696-85-7 23726-93-4 43052-87-5 24720-09-0 23726-94-5 23726-92-3 23726-91-2 57378-68-4 71048-82-3 39872-57-6 70266-48-7 33673-71-1 35087-49-1 35044-68-9	0
Styrax (distillates)	94891-27-7 94981-28-8	0
Teal leaf absolute	84650-60-2	0
o,m,p-Tolualdehydes and their mixtures	529-20-4 620-23-5 104-87-0 1334-78-7	0
2,6,6-Trimethylcyclohex-1,3-dienyl methanal	116-26-7	0
Rue oil	8014-29-7	0
Tagetes oil and absolute	91722-29-1 8016-84-0	0
Verbena absolute (Lippia citriodora Kunth.)	8024-12-2 85116-63-8	0
Ylang ylang extracts	8006-81-3 68606-83-7 83863-30-3	0

IFRA 48th Amendment specified substances

Ingredient Name	CAS number	% Total
Allyl Esters	N/A	0
Allyl phenoxyacetate	7493-74-5	0
Birch wood pyrolysate	8001-88-5 84012-15-7 85940-29-0 68917-50-0	0
Cade oil (Juniperus oxycedrus L.)	8013-10-3 90046-02-9	0
2,2-Dimethyl-3-(3-tolyl)propan-1-ol (Majantol)	103694-68-4	0
Musk ketone	81-14-1	0
Nootkatone	4674-50-4	0

Ingredient Name	CAS number	% Total
Pinacea derivatives		0
Sclareol	515-03-7	0

IFRA 48th Amendment prohibited substances

Ingredient Name	CAS number	% Total
Acetyl ethyl tetramethyl tetralin (AETT, Versalide)	88-29-9	0
Acetyl isovaleryl (5-Methyl-2,3-hexanedione)	13706-86-0	0
Alantroot oil (Elecampane oil)	97676-35-2	0
Allyl heptine carbonate	73157-43-4	0
Allyl isothiocyanate	57-06-7	0
Amylcyclopentenone	25564-22-1	0
Anisylidene acetone (4-(p-methoxyphenyl)-3-butene-2-one)	943-88-4	0
cis-and trans-Asarone ((E)-and(Z)-2,4,5-Trimethoxypropen-1-yl benzene)	2883-98-9 5273-86-9	0
Benzene	71-43-2	0
Benzyl cyanide	140-29-4	0
Benzylidene acetone (4-Phenyl-3-buten-2-one)	122-57-6	0
Birch wood pyrolysate (Crude)	8001-88-5 84012-15-7 85940-29-0 68917-50-0	0
Boldo oil	8022-81-9	0
3-Bromo-1,7,7-trimethylbicyclo[2.2.1]heptane-2-one	76-29-9	0
Bromostyrene	103-64-0	0
p-tert-Butylphenol	98-54-4	0
Cade oil - Juniperus oxycedrus L. (Crude)	8013-10-3 90046-02-9	0
Carvone oxide	33204-74-9	0
Chenopodium oil	8006-99-3	0
Cinnamylidene acetone	4173-44-8	0
Colophony	8050-09-7	0
Costus root oil, absolute and concrete	8023-88-9	0
Cyclamen alcohol (3-(4-Isopropylphenyl)-2-methylpropanol)	4756-19-8	0
1,3-Dibromo-2-methoxy-4-nitro-5-(1,1-dimethylethyl)-6-methyl-benzene (Musk alpha)	63697-53-0	0
1,3-Dibromo-2-methoxy-4-methyl-5-nitrobenzene (Musk KS)	62265-99-0	0
2,2-Dichloro-1-methylcyclopropylbenzene	3591-42-2	0

Ingredient Name	CAS number	% Total
2,4-Dienals	764-40-9	0
	142-83-6	
	80466-34-8	
	5910-85-0	
	30361-28-5	
	6750-03-4	
	2363-88-4	
	13162-46-4	
	21662-16-8	
	25152-84-5	
	30361-29-6	
4313-03-5		
Diethyl maleate	141-05-9	0
2,4-Dihydroxy-3-methylbenzaldehyde	6248-20-0	0
4,6-Dimethyl-8-tert-butylcoumarin (Butolia)	17874-34-9	0
3,7-Dimethyl-2-octen-1-ol	40607-48-5	0
Dimethyl citraconate	617-54-9	0
Diphenylamine	122-39-4	0
2,4-Dodecadien-1-ol, (2E, 4E)	18485-38-6	0
Esters of 2-octynoic acid (Except Methyl heptine carbonate which is IFRA Restricted)	10484-32-9	0
	10519-20-7	
Esters of 2-nonynoic acid, (Except Methyl octine carbonate)	10031-92-2	0
Ethyl acrylate	140-88-5	0
Ethylene glycol monoethyl ether and its Acetate	110-80-5	0
	111-15-9 (acetate)	
Ethylene glycol monomethyl Ether and its Acetate	109-86-4	0
	110-49-6 (acetate)	
Fig leaf absolute	68916-52-9	0
Furfuryl alcohol	98-00-0	0
Furfurylidene acetone	623-15-4	0
Geranyl nitrile	5146-66-7	0
	5585-39-7	
	31983-27-4	
trans-2-Heptenal	18829-55-5	0
2,4-Hexadien-1-ol	111-28-4	0
	17102-64-6	
Hexahydrocoumarin	700-82-3	0
trans-2-Hexenal diethyl acetal	67746-30-9	0
trans-2-Hexenal dimethyl acetal	18318-83-7	0
Hydroabietyl alcohol, dihydroabietyl alcohol	13393-93-6	0
	26266-77-3	
	1333-89-7	
Hydroquinone monoethyl ether (4-ethoxy-Phenol)	622-62-8	0
Hydroquinone monomethyl ether (4-methoxy-Phenol)	150-76-5	0
Isophorone	78-59-1	0
6-Isopropyl-2-decalol (Decatol)	34131-99-2	0
Massoia bark oil	85085-26-3	0

Ingredient Name	CAS number	% Total
Massoia lactone	54814-64-1 51154-96-2	0
7-Methoxycoumarin	531-59-9	0
alpha-Methyl anisylidene acetone (1-(4-Methoxyphenyl)-1-penten-3-one)	104-27-8	0
6-Methylcoumarin (Toncarine)	92-48-8	0
7-Methylcoumarin	2445-83-2	0
Methyl crotonate	623-43-8	0
4-Methyl-7-ethoxycoumarin (Maraniol)	87-05-8	0
p-Methylhydrocinnamic aldehyde	5406-12-2	0
Methyl methacrylate	80-62-6	0
3-Methyl-2(3)-nonenenitrile (Citgrenile)	53153-66-5	0
Moskene (1,1,3,3,5-Pentamethyl-4,6-dinitroindane)	116-66-5	0
Musk ambrette	83-66-9	0
Musk tibetene (1-tert-Butyl-2,6-dinitro-3,4,5-trimethylbenzene)	145-39-1	0
Musk Xylene	81-15-2	0
Nitrobenzene	98-95-3	0
2-Pentylidene cyclohexanone	25677-40-1	0
Peru balsam crude	8007-00-9	0
Phenyl acetone (Methyl benzyl ketone)	103-79-7	0
Phenyl benzoate	93-99-2	0
Pseudoionone (2,6-Dimethylundeca-2,6,8-trien-10-one)	141-10-6	0
Pseudo Methylionones	26651-96-7 72968-25-3 1117-41-5	0
Quinoline	91-22-5	0
Safrole, Isosafrole, Dihydrosafrole	94-59-7	0
Santolina oil	84961-58-0	0
Savin oil (Juniperus Sabina L.)	8024-00-8	0
Styrax (Crude)	8024-01-9 8046-19-3	0
Toluene	108-88-3	0
Verbena oil	8024-12-2	0

SAFETY DATA SHEET

Ginger Oil

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Product name Ginger oil

EC number:	283-634-2
EC name:	Ginger, ext
CAS number (EC inventory):	84696-15-1
Registration number	

1.2 Relevant identified uses of the substance or mixture and uses advised against

Multiple uses in the Flavour and Fragrance industries

1.3 Details of the supplier of the safety data sheet

MADAR Corporation Ltd
19-20 Sandleheath Industrial Estate
Fordingbridge
SP6 1PA

Tel: 01425 655555

E mail: sales@madarcorporation.co.uk

1.4 Emergency telephone number

In case of emergency Tel. 01425 655555 during office hours

SECTION 2: Hazards Identification

2.1 Classification of the substance

Classification in accordance with the Dangerous Substances Directive 67/548/EEC

Hazard Symbol

Xn+N

Risk Phrases

R43 - May cause sensitisation by skin contact

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment



R65 - Harmful: may cause lung damage if swallowed

Safety Phrases

S24 - Avoid contact with skin

S36/37 - Wear suitable protective clothing and gloves

S61 - Avoid release to the environment

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or Label

Classification in accordance with GHS 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

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

Classification in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

Hazard Statements

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P262 - Do not get in eyes, on skin, or on clothing

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

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

P331 - Do NOT induce vomiting

P391 - Collect spillage

2.2 Label elements

Signal Word DANGER

Pictograms



GHS07



GHS08



GHS09



2.3 Other hazards

SECTION 3: Composition

3.1 Substances

Ginger oil 100 %

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Irrigate the eyes with copious volumes of water for at least 15 minutes with the eye lids held open. Seek medical advice if inflammation persists

INHALATION: Remove person to fresh air, remove any contaminated clothing, in case of breathing difficulty seek medical advice.

SKIN CONTACT: Wash affected area with soap and running water, if irritation persists seek medical advice.

INGESTION: Dilute internally with water, do not induce vomiting. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Firefighting Measures

5.1 Extinguishing media Foam, CO₂, Dry Powder

5.2 Special hazards arising from the substance or mixture Combustion products: Carbon monoxide, Carbon dioxide, Smoke

5.3 Advice for fire fighters Do Not Use Water as extinguishing media. No special fire fighting equipment required.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear clothing suitable for an emergency

6.2 Environmental precautions

Contain the leak with earth or sand. Prevent from entering drains, sewers and water courses. If this cannot be done, advise the local authority.

6.3 Methods and materials for containment and clearing up

Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.



SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Handle in a well ventilated area, away from sources of ignition, **DO NOT SMOKE**.

7.2 Conditions for safe storage, including any incompatibilities

Store in well-filled, tightly closed containers away from heat, light and sources of ignition.

7.3 Specific end uses

Used in Flavours and Fragrances.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters No data available

Substance	8 hour exposure limit	15 minute exposure limit	Source, Type

DNELs for workers No data available

Exposure pattern	Route	DNEL	Dose descriptor
Acute - systemic effects	Dermal		
Acute - systemic effects	Inhalation		
Acute - local effects	Dermal		
Acute - local effects	Inhalation		
Long-term - systemic effects	Dermal		
Long-term - systemic effects	Inhalation		
Long-term - local effects	Dermal		
Long-term - local effects	Inhalation		

PNECs No data available

Compartment	PNEC	Dose descriptor
Fresh water		
Sewage treatment		



8.2 Exposure controls

Engineering controls – Use suitable handling equipment

Respiratory protection – Use only in well ventilated areas. Use protection in poor ventilation.

Hand Protection – Wear gloves

Eye protection – Wear goggles

Skin protection – Wear suitable protective clothing

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Clear, mobile liquid

Odour: Characteristic of ginger

Odour threshold: No data available

pH: Not applicable

Melting point: Not applicable

Boiling point: Not applicable

Flashpoint: 66°C

Evaporation rate: No data available

Flammability: Combustible

Upper/lower flammability limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: 0.873 – 0.885

Solubility in water: Insoluble

Solubility in other solvents: Soluble

Partition coefficient (log Kow): No data available

Autoignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidising properties: None

9.2 Other information

Particle size: Not applicable

SECTION 10: Stability and Reactivity

10.1 Reactivity: Will react with oxidising agents

10.2 Chemical stability: Stable under proper storage conditions.

10.3 Possibility of hazardous reactions: Not if stored correctly

10.4 Conditions to avoid: Do not leave containers open to the air. Avoid storage at elevated temperatures and sources of ignition.

10.5 Incompatible materials: Oxidising agents

10.5 Hazardous decomposition products: On combustion may produce smoke, carbon monoxide and carbon dioxide.

SECTION 11: Toxicological Information



11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

Toxicokinetics

- (a) acute toxicity: LD₅₀ >5000 mg/kg (Rat). Dermal >5000mg/kg (Rabbit)
- (b) skin corrosion/irritation: Causes skin irritation
- (c) serious eye damage/irritation: No data available
- (d) respiratory/skin sensitisation: May cause an allergic skin reaction
- (e) germ cell mutagenicity: No data available
- (f) carcinogenicity: No data available
- (g) reproductive toxicity: No data available
- (h) STOT-single exposure: No data available
- (i) STOT-repeated exposure: No data available
- (j) aspiration hazard: No data available

SECTION 12: Ecological Information

- 12.1 Toxicity: No data available
- 12.2 Persistence and degradability: No data available
- 12.3 Bioaccumulative potential: No data available
- 12.4 Mobility in soil: No data available
- 12.5 Results of PBT and vPvB assessment: No data available
- 12.6 Other adverse effects

SECTION 13: Disposal Considerations

13.1 Waste treatment methods – Do not dispose into drainage systems. Ensure disposal is within local and national guidelines. Consult a specialist waste disposal company for correct disposal procedure and/or seek other expert advice.

SECTION 14: Transport Information

	ADR	IMDG	ICAO
14.1 UN Number	3082		
14.2 UN Proper shipping name	Ginger oil		
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	3		
14.5 Environmental hazards			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			

**SECTION 15: Regulatory Information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This substance is listed as existing in Europe

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information: Change of address and transport information

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008

DSD Dangerous Substances Directive 67/548/EEC

DPD Dangerous Preparations Directive 1999/45/EC

EC European Community/Commission

PBT Persistent, Bioaccumulative and Toxic

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006

vPvB very Persistent, very Bioaccumulative

References: Food Cosmetics Toxicology 12 901 (1974)

The information in this safety data sheet is based on the properties of the material known to John Kellys (London) Ltd at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. This document is not intended for quality assurance purposes.

SPECIFICATION

GINGER OIL CHINESE

Botanical source	: Zingiber officianale
Method of production	: Steam distillation of dried rhizomes
Appearance	: A light yellow to orange coloured liquid
Odour	: Spicy, characteristic of ginger
Density @ 20°C	: 0.870 – 0.888 g/ml
Optical rotation @ 20°C	: -25 to -45
Refractive Index @ 20°C	: 1.485 – 1.498



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: GINGER OIL

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

15/07/19