

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Ginger Oil				
Biological Definition	Zingiber Officinale Oil is the volatile oil obtained from the dried rhizomes of the Ginger, Zingiber officinale L., Zingiberaceae				
INCI Name	Zingiber Officinale Root Oil				
Synonyms Trade Names	-				
CAS Number	84696-15-1	EC Number	283-634-2	EINECS No.	283-634-2

**1.2 Relative identified uses of the substance or mixture and uses advised against**

No additional data available.

**1.3 Details of the supplier of the safety data sheet**

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

**1.4 Emergency Telephone Number**

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

**02. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

The Full Text for all Hazard Statements displayed in Section 16.

## Classification (EC 1272 / 2008)

Physical and Chemical Hazards Not classified. Human health Skin Sens. 1 - H317; Asp. Tox. 1 - H304 Environment Aquatic Acute 2 - H401; Aquatic Chronic 3 - H412

GHS07

GHS08

None

None

None



Signal Word

Warning

Contains

1,8-cinole, Alpha Farnesene, Alpha Pinene, AR-Curcumene, Alpha-Zingiberene, Beta-Bisabolene, Beta-Pinene, Beta-Sesquiphellandrene, Camphene, Limonene, Myrcene (7-methyl-3-methyleneocta-1,6-diene),

Hazard Statements

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H401 Toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

## Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P262 Do not get in eyes, on skin, or on clothing.  
P301 IF SWALLOWED:  
P310 Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.

## Supplementary Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P302 IF ON SKIN:  
P352 Wash with plenty of soap and water.  
P321 Specific treatment (see... on this label).  
P333 If skin irritation or rash occurs:  
P313 Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container to...

## 2.3 Other Hazards

PBT or PvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

**5 - 10 % 1.8-Cineole** CAS No: 470-82-6 EC No: 207-431-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Eye Irrit. 2 - H319

**5 - 10 % Alpha-Farnesene** CAS No: 97885-54-6 EC No: Not Defined

Not Classed as a Hazardous Substance

**1 - 5 % Alpha-Pinene** CAS No: 80-56-8 EC No: 201-291-9

Classification (EC 1272/2008): Aquatic Acute 2 - H400, Chronic Aquatic 1 - H410, Skin Sens. 1 - H317, Skin Irrit 2 - H315, Asp. Tox. 1 - H304, Acute Tox. 5 - H503, Flam. Liq. 3 - H226

**5 - 10 % AR-Curcumene** CAS No: 4176-17-4 EC No: Not Defined

Not Classed as a Hazardous Substance

<b>30 - 60 % Alpha-Zingiberene</b>	CAS No: 495-60-3	EC No: 207-804-2
Not Classed as a Hazardous Substance		
<b>5 - 10 % Beta-Bisabolene</b>	CAS No: 495-61-4	EC No: 610-461-5
Classification (EC 1272/2008): Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304		
<b>0 - 1 % Beta-Pinene</b>	CAS No: 127-91-3	EC No: 20-872-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317		
<b>10 - 30 % Beta-Sesquiphellandrene</b>	CAS No: 20307-83-9	EC No: Not Defined
Not Classed as a Hazardous Substance		
<b>5 - 10 % Camphene</b>	CAS No: 79-92-5	EC No: 201-234-8
Classification (EC 1272/2008): Flam. Liq. 2 - H225, Eye Irrit. 2 - H319, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410		
<b>1 - 5 % Limonene</b>	CAS No: 5989-27-5	EC No: 227-813-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410		
<b>0 - 1 % Myrcene</b>	CAS No: 123-35-3	EC No: 204-622-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Aquatic Chronic 3 - H412		

## 04. FIRST AID MEASURES

### 4.1 Description of first aid measures

41 Inhalation:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
41 Ingestion:	Drink plenty of water. DO NOT induce vomiting. Get medical attention immediately.
41 Eye:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
41 Skin:	Remove contaminated clothing. Wash skin with soap and water. Get medical attention if any discomfort continues.

### 4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

## 05. FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

### 5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

### 5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

## 06. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3 Methods and material for containment and clearing up

Absorb with inert, non-combustible, inorganic absorbant material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

### 6.4 Reference to other sections

No additional data available.

## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

No additional data available.

### 7.2 Conditions for safe storage, including and incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

### 7.3 Specific end use(s)

No additional data available.

## 08. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

No additional data available.

### 8.2 Exposure controls

Protective Equipment

Goggles

Gloves

None

None

None



Process Conditions:	Provide eyewash station.
Engineering Measures:	Provide adequate ventilation.
Respiratory Equipment:	Respiratory protection may be required.
Hand Protection:	Chemical resistant gloves (PVC)
Eye Protection:	Wear approved safety goggles.
Other Protection:	Provide eyewash station.
Hygiene Measures:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection:	Avoid inhalation and contact with skin and eyes.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls:	Avoid discharging into drainage water. Only eliminate by authorised companies.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	Mobile liquid.
Colour:	Yellow to yellow brown.
Flash Point:	57°C
Odour:	Characteristic.
Relative Density:	0.870 – 0.882 @ 20°C
Refractive:	1.480 to 1.494 @ 20°C
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	No additional data available.
Solubility:	Insoluble in water.
Auto Ignition:	No additional data available.

### 9.2 Other Information

No additional data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No additional data available.

### 10.2 Chemical Stability

Stable under normal temperature conditions and recommended use.

### 10.3 Possible hazardous reactions

No additional data available.

### 10.4 Conditions to avoid

Heat, sparks and open flames.

### 10.5 Incompatible materials

Strong reducing agents. Strong oxidising agents. Strong bases.

## 10.6 Hazardous Decomposition Products

No additional data available.

## 11. TOXOLOGICAL INFORMATION

### 11.1 Information on toxological effects

Acute Toxicity:	No additional data available.
Respiratory or skin sensitisation:	No additional data available.
Skin corrosion/irritation:	No additional data available.
Serious Eye damage/irritation:	No additional data available.
Germ Cell Mutagenicity:	No additional data available.
Carcinogenicity:	No additional data available.
Reproductive toxicity:	No additional data available.
STOT Single exposure:	No additional data available.
STOT Repeated exposure:	No additional data available.
Photo-toxicity:	No additional data available.
Aspiration hazard:	Toxic to aquatic organisms, may cause long term adverse effects in theaq
Other Information:	No additional data available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

We have no data regarding ecotoxicity, but it must be considered that this product may be dangerous for the environment.

### 12.2 Persistence Degradability

No additional data available.

### 12.3 Bioaccumulation Potential

No additional data available.

### 12.4 Mobility in soil

No additional data available.

### 12.5 Results of PBT and vPvB Assessment

Not applicable.

### 12.6 Other adverse effects

No additional data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

DISPOSAL METHODSDispose of in compliance with all local and national regulations..

## 14. TRANSPORT INFORMATION

### 14.1 UN number

Road:	Not regulated.
Sea:	Not regulated.
Air:	Not regulated.

### 14.2 UN Prpoer shipping name

None.

### 14.3 Transport hazard class(es)

Not regulated.

None.

None.

None.

### 14.4 Packing group

Not required.

### 14.5 Environmental Hazards

None.

None.

None.

None.

### 14.6 Special precautions for users

None.

### 14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

No additional data available.

## 15. REGLATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substan

Statutory InstrumentsThe Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).Guidance NotesWorkplace Exposure Limits EH40. CHIP for everyone HSG(108).EU LegislationRegulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and CommissionDirectives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2 Chemical safety assessment

No additional information available.

## 16. OTHER INFORMATION

Hazard or precaution	H319 Causes serious eye irritation. H315 Causes skin irritation. H226 Flammable liquid and vapour. H412 Harmful to aquatic life with long lasting effects. H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life.
Other Information:::	None
Revision Date:	4/1/2022
Reason:	New SDS
Revision Number:	2

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