








Section 1: Identification					
1.1 Product Identification					
Product name	Ginger, essential oil	Product number	E1021		
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				
Trade name	Ginger Oil				
Organic	Yes	CAS	8007-08-7	EC	283-634-2
1.2 Area of use					
Area of use	This substance is used in the following products: washing & cleaning products, biocides (e.g. disinfectants), air care products, polishes and waxes, perfumes and fragrances and cosmetics and personal care products.				
Avoid to use	See section 2.				
1.3 Details of the supplier of the safety data sheet					
Company Address	Opella AB Lundavägen 1 247 50 Dalby		(+46) 08-12151215	 	info@opella.se www.opella.se
1.4 Emergency contacts					
Contact	Jonas Persson		(+46) 08-12151215		

Section 2: Hazards Identification					
2.1 Classification of the substance or mixture					
EG 1272/2008 (CLP)	Asp. Tox 1	Aquatic Chr. 2			
	Skin Sen. 1				
	Eye Irrit. 2				
2.2 Label elements					
GHS Label	-	-			
			GHS07	GHS08	GHS09
Signal word	Danger				
Hazard statement	H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.				
Precautionary statements	P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/... P303+P361 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with P501 Dispose of contents/container to ...				
Supplementary precautionary statements	-				

2.3 Other hazards

Adverse physico-chemical properties	Combustible but should not self-ignite.
Adverse effects on human health	Skin contact may cause irritation/sensitization.

Section 3: Composition of Ingredients

3.1 Substances

Identification	Volym %	EC number	CAS number	Classification CLP
1,8-Cineole	5-10%	207-431-5	470-82-5	Flam. Liq 3 - H226; Skin Sens. 1 - H317
A-Farnesene	5-10%		97885-54-6	-
α -Pinene	1-5%	201-291-9	80-56-8	Flam. Liq 3 - H226; Skin Irrit. 2 - H315; Skin Sens. 1 - H317; Asp Tox. 1 - H304
AR-Curcumene	5-10%		4176-17-4	-
A-Zingiberene	30-60%	207-804-2	495-60-3	-
β -Bisabolene	5-10%		495-91-4	Skin Irrit. 2 - 315; Skin Sens. 1B - H317; Asp Tox. 1 - H304
β -Pinene	<1%	204-872-5	127-91-3	Flam. Liq 3 - H226; Skin Sens. 1 - H317; Asp Tox. 1 - H304; Aquatic Chronic 1 - H410
B-Sesquiphellandrene	10-30%		20307-83-9	-
Camphene	5-10%	201-234-8	79-92-5	Flam. Sol 1 - H228; Eye Irrit. 2 - H319; Aquatic Acute 1 - H400
Limonene	1-5%	227-813-5	5989-27-5	Flam. Liq 3 - H226; Skin Irrit. 2 - H315; Asp Tox. 1 - H304; Skin Sens. 1 - H317; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410
Myrcene	<1	204-622-5	123-35-3	Flam. Liq 3 - H226; Asp Tox. 1 - H304; Skin Irrit. 2 - 315; Eye Irrit. 2 - H319; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

3.2 Mixtures

Identification	Volym %	CLP	Not in use	Not in use	Not in use
-	-	-	-	-	-

Section 4: First Aid Measures

4.1 Descriptions of first aid measures

General information	See categories below.
Inhalation	Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Ingestion	Rinse mouth with water and obtain medical attention. Do not induce vomiting.
Skin contact	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
Eye contact	Flush immediately with water. Contact physician if symptoms persist.
PPE for assisting person	-

4.2 Most important symptoms & effects

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4.3 Identification of any immediate medical or special treatment required

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Section 5: Fire Fighting Measures

5.1 Extinguishing material	
Use	CO ₂ , chemical powder or foam.
Do not use	H ₂ O
5.2 Special hazards arising from the substance or mixture	
	Burning produces irritating, toxic and obnoxious fumes.
5.3 Advice for fire-fighters	
	Wear appropriate protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

6.1 Personal precautions	
	Ensure adequate ventilation of the working area and wear suitable protective equipment. Avoid contact with skin, eyes and clothing.
6.2 Environmental precautions	
	Do not discharge into drains, water courses or onto the ground. Dispose in line with applicable regulations.
6.3 Methods and material for containment and cleaning up	
	Contain spillage immediately by use of sand or inert powder. Avoid excessive inhalation of vapours. Dispose in line with applicable regulations.
6.4 References to other sections	
	See section 8 and 13.

Section 7: Handling and Storage

7.1 Precautions for safe-handling	
	Handle in accordance with good hygiene and safety practice. Store in original packages in areas with adequate ventilation.
7.2 Conditions for safe storage, including any incompatibilities	
	Keep the product container tightly closed, in a dry, ventilated area. Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.
7.3 Specific end use	
	N/A

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Suitable technical controls Use areas with adequate ventilations.

Eye protection



Use eye protection / face protection

Hand protection



Use protective gloves

Respiratory equipment

Use areas with adequate ventilations.

Hygiene measures

Wash hands with soap and water after handling of material.

Section 9: Physical and Chemical Properties

9.1 Physical and chemical properties

Appearance Pale yellow - dark yellow

Odour Herb

PH -

Melting point -

Boiling point -

Flash point 57°C

Relative density 0,873 - 0,885 @ 20°C

Solubility in water Insoluble in water.

9.2 Other information

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Section 10: Stability and Reactivity

10.1 Reactivity

No hazardous reaction if stored and handled as prescribed.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility if hazardous reactions

No.

10.4 Conditions to avoid

Storage at high temperatures. Do not store above 25°C.

10.5 Incompatible materials

Strong oxidising substances.

10.6 Hazardous decomposition products

Under fire conditions the product will produce a mixture of irritating fumes, smoke and carbon monoxide.

Section 11: Toxicological Information

11.1 Toxicological effects

Acute toxicity - oral	No data
Acute toxicity - dermal	No data
Acute toxicity - inhalation	No data
Respiratory or skin sensitivity	H317 May cause an allergic skin reaction (Skin Sen. 1)
Eye damage or irritation	H319 Causes serious eye irritation (Eye Irrit. 2)
Germ cell mutagenicity	No data
Carcinogenicity	No data
Reproductive toxicity	No data
STOT - single exposure	No data
STOT - repeated exposure	No data
Other information	H304 May be fatal if swallowed and enters airways (Asp. Tox. 1)

Section 12: Ecological Information

12.1 Toxicity

H411 Toxic to aquatic life with long lasting effects (Aquatic Chronic 2)

12.2 Persistence and degradability

This material is considered readily biodegradable, therefore does not fulfil the criteria for persistence.

12.3 Bio- accumulative potential

Bio- accumulation potential.

12.4 Mobility in soil

This material is considered readily biodegradable, therefore simulation tests in surface water, sediment and soil are not required in accordance with column 2 of REACH Annex IX.

12.5 Results of PBT and VPVB assessment

This substance does not meet the PBT/vPVB criteria of REACH, Annex XIII.

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

Section 13: Disposal Considerations

13.1 Waste treatments methods

Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with applicable regulations.

Section 14: Transportation Information

Transport information	Environmental Hazardous Substance Liquid NOS
UN-nummer	UN 3082
Transport hazard class	Class 9, ID 90
Packing group	Pk Gp III
Environmental hazards	See section 2 and 12.
Special precautions	-

Section 15: Regulatory Information

15.1 Product specific safety, health and environmental regulations

EU directives	Regulation (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. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.
Statutory instruments	-
Approved code of practice	-
Other EU directives	Council Directive 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations.

15.2 Chemical safety assessment

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Section 16: Other Information

16.1 Abbreviations & acronyms

INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service.
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
STOT	Specific Target Organ Toxicity
EINECS	European Inventory of Existing Commercial Chemical Substances
CLP	CLP EU regulation (Classification, labelling and packaging)
VOC	Volatile Organic Compounds.

16.2 Disclaimer

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16.3 Document revision

Date	Change description
2021-03-01	Created