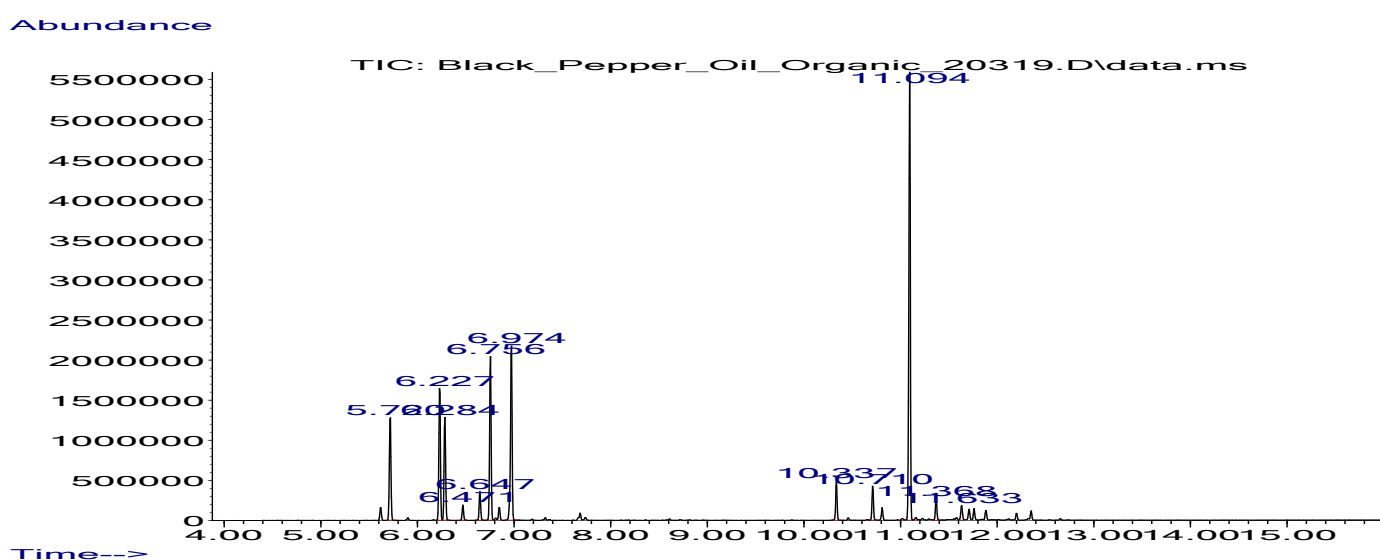


Typical GC Analysis

Product Name:	Black Pepper Oil Organic	Batch No:	Typical batch
Method	Carrier Gas: Helium Column: Restek Rxi-1ms 30m x 0.25mm x 0.25µm Detector: MS, Full Scan 50-500amu		
Additional Information			



Peak	RT Mins	Compound	Area	Peak start	Peak end	%
1	5.720	α -Pinene	1507316	5.678	5.771	7.6
2	6.227	Sabinene	1877450	6.186	6.259	9.4
3	6.284	β -Pinene	1422301	6.259	6.326	7.1
4	6.471	β -Myrcene	192464	6.430	6.507	1.0
5	6.647	α -Phellandrene	381215	6.606	6.684	1.9
6	6.756	δ -3-Carene	2222052	6.709	6.787	11.1
7	6.974	d-Limonene	2598018	6.901	7.020	13.0
8	10.337	δ -Elemene	494689	10.280	10.373	2.5
9	10.710	α -Copaene	444117	10.679	10.762	2.2
10	11.094	β -Caryophyllene	5870281	11.047	11.130	29.5
11	11.368	α -Humulene (α -Caryophyllene)	285969	11.332	11.410	1.4
12	11.633	β -Selinene	219737	11.601	11.658	1.1

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Black Pepper Oil Organic; CAS: 84929-41-9; REACH REG: REACH Exempt < 1tpa

Other identifiers: Piper Nigrum Fruit Oil

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

Product uses: Flavours, Fragrances, Cosmetics, Professional Use Only, Food use.

1.3 Details of the supplier of the safety data sheet

Company name: Healthy Story LLP

Company address: 27 Old Gloucester Street, London, WC1N 3AX, United Kingdom

Contact:

E-Mail address: info@zdravaprica.com

Company phone: +44 800 048 5030

1.4 Emergency telephone number

Emergency phone: +44 800 048 5030

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Flammable Liquid, Hazard Category 3
Acute Toxicity - Oral Category 4
Skin Corrosion / Irritation Category 2
Sensitization - Skin Category 1
Aspiration Hazard Category 1
Hazardous to the Aquatic Environment - Acute Hazard Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 1
H226, Flammable liquid and vapour.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H410, Very toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements: H226, Flammable liquid and vapour.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H410, Very toxic to aquatic life with long lasting effects.

M factor: None

Supplemental Information: None

Precautionary statements: P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233, Keep container tightly closed.
P240, Ground/bond container and receiving equipment.
P241, Use explosion-proof electrical, ventilating and lighting equipment.
P242, Use only non-sparking tools.
P243, Take precautionary measures against static discharge.
P261, Avoid breathing vapour or dust.
P264, Wash hands and other contacted skin thoroughly after handling.
P270, Do not eat, drink or smoke when using this product.
P272, Contaminated work clothing should not be allowed out of the workplace.
P273, Avoid release to the environment.
P280, Wear protective gloves/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.
P330, Rinse mouth.
P331, Do not induce vomiting.
P333/313, If skin irritation or rash occurs: Get medical advice/attention.
P362, Take off contaminated clothing and wash before reuse.
P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391, Collect spillage.
P403/235, Store in a well-ventilated place. Keep cool.
P405, Store locked up.
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

Pictograms:



2.3 Other hazards

Other hazards: Hydrocarbon Concentration %: 113.9600%

Section 3. Composition / information on ingredients

3.1 Substances

Product identifier: Black Pepper Oil Organic; CAS: 84929-41-9; REACH REG: REACH Exempt < 1tpa

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
beta-Caryophyllene	87-44-5	201-746-1		20-<50%	Skin Sens. 1B-Asp. Tox 1;H304-H317,-	
d-Limonene	5989-27-5	227-813-5		20-<50%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3; H226-H304-H315-H317-H400-H412,-	M = 1
beta-Pinene	127-91-3	204-872-5		20-<50%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H315-H317-H410,-	M = 1
alpha-Pinene	80-56-8	201-291-9		10-<20%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H302-H304-H315-H317-H410,-	M = 1-oral: ATE = 500 mg/kg bw
Sabinene	3387-41-5	222-212-4		5-<10%	Flam. Liq. 3-Acute Tox. 4;H226-H302,-	oral: ATE = 1150 mg/kg bw
delta-3-Carene	13466-78-9	236-719-3		5-<10%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1-Aquatic Chronic 2; H226-H304-H315-H317-H332-H411,-	inhalation: ATE = 1.5 mg/l (dusts or mists)-oral: ATE = 4800 mg/kg bw
(-)-(R)-.alpha.-Phellandrene	4221-98-1	224-167-6		5-<10%	Flam. Liq. 3-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H317-H410,-	M = 1

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

Myrcene	123-35-3	204-622-5		1-<5%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2; H226-H304-H315-H319-H400-H411,-	M = 1
Eucalyptol	470-82-6	207-431-5		1-<5%	Flam. Liq. 3-Skin Sens. 1B;H226-H317,-	oral: ATE = 2480 mg/kg bw
alpha-Phellandrene	99-83-2	202-792-5		1-<5%	Flam. Liq. 3-Skin Sens. 1-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H317-H410,-	M = 1
Alpha Humulene	6753-98-6	229-816-7		1-<5%	Skin Irrit. 2-Eye Irrit. 2-STOT SE 3;H315-H319-H335,-	
Linalool	78-70-6	201-134-4		1-<5%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-	oral: ATE = 2790 mg/kg bw
Terpinolene	586-62-9	209-578-0		0.1-<1%	Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H304-H317-H410,-	M = 1-oral: ATE = 3775 mg/kg bw
l-β-Bisabolene	495-61-4			0.1-<1%	Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Chronic 2;H304-H315-H317-H332-H411,-	inhalation: ATE = 1.5 mg/l (dusts or mists)
alpha-Bisabolene	17627-44-0	241-610-9		0.1-<1%	Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Chronic 2;H304-H315-H317-H332-H411,-	inhalation: ATE = 1.5 mg/l (dusts or mists)
Camphene	79-92-5	201-234-8		0.1-<1%	Flam. Sol. 2-Aquatic Acute 1-Aquatic Chronic 1;H228-H410,-	M = 1
Terpinen-4-ol	562-74-3	209-235-5		0.1-<1%	Acute Tox. 4-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1-STOT SE 3; H302-H315-H317-H332-H336,-	inhalation: ATE = 1.5 mg/l (dusts or mists)-dermal: ATE = 2500 mg/kg bw-oral: ATE = 1300 mg/kg bw
p-Cymene	99-87-6	202-796-7		0.1-<1%	Flam. Liq. 3-Acute Tox. 3-Repr. 2-Asp. Tox 1-Aquatic Chronic 2; H226-H304-H331-H361-H411,-	inhalation: ATE = 9.7 mg/l (vapour)-oral: ATE = 4750 mg/kg bw
p-Mentha-1,4-diene	99-85-4	202-794-6		0.1-<1%	Flam. Liq. 3-Repr. 2-Asp. Tox 1-Aquatic Chronic 2;H226-H304-H361-H411,-	oral: ATE = 3650 mg/kg bw
cis-beta-Ocimene	3338-55-4	222-081-3		0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2;H226-H304-H315-H400-H411,-	M = 1-oral: ATE = 5000 mg/kg bw
p-Mentha-1,3-diene	99-86-5	202-795-1		0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Skin Sens. 1-Asp. Tox 1-Aquatic Chronic 2;H226-H302-H304-H317-H411,-	oral: ATE = 1680 mg/kg bw
Eugenyl methyl ether	93-15-2	202-223-0		0.1-<1%	Acute Tox. 4-Muta. 2-Carc. 2;H302-H341-H351,-	oral: ATE = 1180 mg/kg bw

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Skin exposure: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Flavours, Fragrances, Cosmetics, Professional Use Only, Food use.: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour: Liquid, clear colourless to pale green/yellow or blue green.

Odour: Characteristic, warm, spicy.

Odour threshold: Not determined

Melting point / freezing point: Not determined

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	46 - 50 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Insoluble in water.
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0.8450 - 0.9270
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute Toxicity:	Acute Toxicity - Oral Category 4
Acute Toxicity Oral	1704
Acute Toxicity Dermal	Not Applicable

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

Acute Toxicity Inhalation Not Available
Skin corrosion/irritation: Skin Corrosion / Irritation Category 2
Serious eye damage/irritation: Based on available data the classification criteria are not met.
Respiratory or skin sensitisation: Sensitization - Skin Category 1
Germ cell mutagenicity: Based on available data the classification criteria are not met.
Carcinogenicity: Based on available data the classification criteria are not met.
Reproductive toxicity: Based on available data the classification criteria are not met.
STOT-single exposure: Based on available data the classification criteria are not met.
STOT-repeated exposure: Based on available data the classification criteria are not met.
Aspiration hazard: Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Sabinene	3387-41-5	222-212-4	500	Not available	Not available	Not available
alpha-Pinene	80-56-8	201-291-9	500	Not available	Not available	Not available
delta-3-Carene	13466-78-9	236-719-3	4800	Not available	1.5	Dust/mist mg/l
p-Cymene	99-87-6	202-796-7	4750	Not available	9.7	Vapour mg/l

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity:

Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties: Not Applicable

12.7 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations.

Avoid disposing into drainage systems and into the environment.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN1197	EXTRACTS, LIQUID	3	-	III
IMDG	UN1197	EXTRACTS, LIQUID (beta-Pinene) MARINE POLLUTANT	3	-	III
ADR,RID,ADN	UN1197	EXTRACTS, LIQUID	3	-	III
ICAO TI	UN1197	EXTRACTS, LIQUID	3	-	III

14.5 Environmental hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

14.6 Special precautions for user: None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

None additional

15.2 Chemical Safety Assessment

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

Section 16. Other information

Concentration % Limits: SCI 2=13.43% SS 1=2.86% AH 1=8.78% EH A1=33.75% EH C1=52.74%
EH C2=5.17% EH C3=0.51412824% EH C4=31.11%

Total Fractional Values: SCI 2=7.45 SS 1=35.00 AH 1=11.40 EH A1=2.96 EH C1=1.90 EH C2=19.36
EH C3=194.50 EH C4=3.21

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Inhalation Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2	Eye Damage / Irritation Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
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.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects (exposure route).
H351	Suspected of causing cancer (exposure route).
H361	Suspected of damaging fertility or the unborn child (exposure route).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Muta. 2	Germ Cell Mutagenicity Category 2
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P281	Use personal protective equipment as required.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Black Pepper Oil Organic

Version: 1

P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P311	Call a POISON CENTRE or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Repr. 2	Toxic to Reproduction Category 2
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

Product Statements

Product Name:	Black Pepper Oil Organic		
Description:	The volatile oil obtained by steam distillation from the dried slightly unripe fruits of <i>Piper nigrum</i> L.		
CAS No:	84929-41-9	EC No:	284-524-7
UK REACH Status	Reach exempt <1T PA.		
EU REACH Status	Reach exempt <1T PA.		
CITES Regulated	No		
Country of Origin	India		
Country of Manufacture	India		
Tariff Code	3301294900		
INCI Breakdown	100% Piper Nigrum Fruit Oil		
Method of manufacture	Steam Distillation		
Composition	This material is 100% Pure & Natural.		
Impurities	None		
Preservatives	In accordance with Article 14d of the EU Cosmetics Regulation no preservatives have been used or added during production.		
CMR Substances	This material contains Methyl Eugenol, p-Cymene and gamma terpinene which are considered CMR substances.		
SVHC	This product does not contain any substances of very high concern.		
Substances according to Annex II and III	This material does not contain any of the substance listed in Annex II and III of EU Cosmetics Directive, with the exception of those components listed in the EU Allergens and IFRA declarations.		
Pesticides	Not tested routinely, but historic testing has shown results to be well within EU limits.		
Ionising Radiation	The product has not been treated with ionizing radiation.		
Residual Solvent	No solvents used.		
Colorants	In accordance with Article 14c of the EU Cosmetics Regulation no colorants were used or added during production.		
Nanomaterials	In accordance with EU Cosmetics Regulation, this product does not contain nanomaterials nor have any been used or added during production.		
BSE / TSE	We hereby guarantee that this material does not constitute any health hazard in connection with B.S.E. / T.S.E. The basis of this claim is that the material concerned does not derive from animal origin and neither the producer nor Hughes & Company use any extracts of animal (cattle, sheep, goat etc.) origin in the manufacture of this product and indeed do not have on site any such products for any purpose and further that the plant on which production is carried out does not have contact of any type with products of such origin.		

Product Statements

GMO EC Regulations 1829/2003 & 1830/2003	No material of GM origin has been used at any stage of the production of this product.
Gluten Free	We hereby state and certify that this product does not contain any gluten.
Vegetarian	This material is suitable for Vegetarians.
Vegan	This material is suitable for Vegans.
Halal	This material is not certified Halal.
Kosher	This material is certified Kosher.
Heavy Metals	Not tested routinely, but historic testing has shown results to be well within EU limits.
Animal Testing	<p>We hereby certify that this material has not been tested on animals either by us or by the producer or anyone else in the supply chain.</p> <p>“Has not been tested” means that we have not tested ourselves nor has any third party been commissioned to test on our behalf. Reference to any testing in literature to which we associate directly or indirectly is based on reported industry data in the public domain and does not indicate any animal testing associated to this source of this ingredient.</p> <p>This statement applies to all common cut off periods in force in the cosmetics industry and specifically a period not less than 15 years lapsed from date of this statement.</p> <p>We further declare that this material does not derive from animal source nor have animal products been used in its manufacture. Furthermore animal products do not form part of the product range handled or processed on the plant / equipment producing this item.</p>
Californian Proposition 65	This material contains Methyl Eugenol and Myrcene / B-Myrcene which are both listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.
Microbiology	Due to the nature of this product (waterless system) – no microbiological activity will be present in the oil.
Food Use	Conforms to Regulation EU 1334/2008 and is suitable for food flavouring use, subject to all the usual formulation considerations. FEMA 2844
Regulation EC 1223/2009	We hereby confirm that this material is acceptable for use in cosmetic applications governed by Cosmetic Regulation EC 1223/2009. We further confirm this material does not contain any components indicated as prohibited and any components listed as restricted will be indicated on the corresponding Cosmetic Allergens Declaration or IFRA certificate.
UV Filter	In accordance with Article 14e of the EU Cosmetics Regulation no UV filters have been used or added in the course of production.
Cruelty Free	To the best of our knowledge, there are no instances of cruelty to animals that take place during the manufacture of this material.
Palm Free	We confirm that this material is free from palm oil and palm oil derivatives.
Additional Information	None

Product Statements

Revision Date	10/02/2025
Reason for Revision	02 updated CMR statement 01 New document.
Rev No/Repl, Newly Generated	02 replaces 01.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.

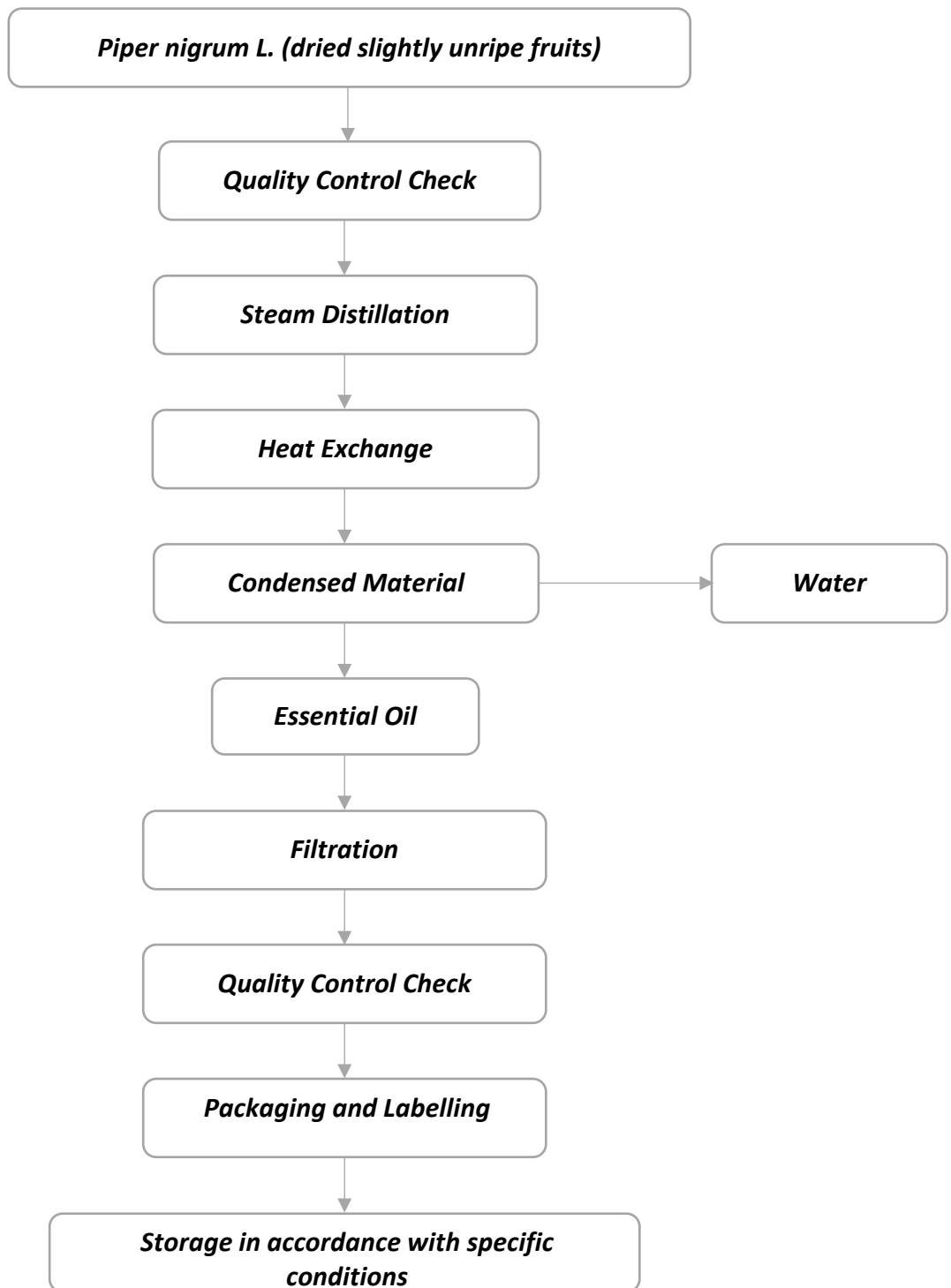
Nutritional Values

Product Name:	Black Pepper Oil Organic		
INCI Name:	Piper Nigrum Fruit Oil		
Description:	The volatile oil obtained by steam distillation from the dried slightly unripe fruits of <i>Piper nigrum</i> L.		
CAS No:	84929-41-9	EC No:	284-524-7

Nutritional Information	Per 100g
Energy (Kcal/100g)	0
Carbohydrate (mg)	0
Sugar	0
Protein (g)	0
Fat Content (g)	0
Salt	0
Typical Fatty Acid Composition	
Monounsaturated Fatty Acids (g)	0
Saturated Fatty Acids (g)	0
Polyunsaturated Fatty Acids (g)	0

Manufacture Flow Diagram

Product Name:	Black Pepper Oil Organic		
CAS No:	84929-41-9	EC No:	284-524-7



CERTIFICATE OF CONFORMITY WITH IFRA STANDARDS

This Certificate assesses the conformity of the material named below with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoints described in each Standard.

This Certificate does therefore not replace a comprehensive safety assessment of the material and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy themselves as to the suitability of such information for their own particular use.

CERTIFYING PARTY:

Healthy Story LLP, 27 Old Gloucester Street, London, WC1N 3AX, United Kingdom

SCOPE OF THE CERTIFICATE:

Black Pepper Oil Organic

COMPULSORY INFORMATION:

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51st Amendment to the IFRA Code of Practice (published June 2023), provided it is used in the following categories at a maximum concentration level of:

IFRA Categories [see Annex 1 below for details]	Maximum Level of use (%)
IFRA Category 1	0.42%
IFRA Category 2	1.50%
IFRA Category 3	0.42%
IFRA Category 4	11.00%
IFRA Category 5A	1.50%
IFRA Category 5B	0.21%
IFRA Category 5C	0.42%
IFRA Category 5D	0.06%
IFRA Category 6	1.00%
IFRA Category 7A	0.42%
IFRA Category 7B	0.42%
IFRA Category 8	0.06%
IFRA Category 9	1.70%
IFRA Category 10A	0.62%
IFRA Category 10B	2.10%
IFRA Category 11A	0.06%
IFRA Category 11B	0.06%
IFRA Category 12	66.00%

For other kinds of application or use at higher concentration levels, a new evaluation can be needed; please contact The Ingredients Store

ADDITIONAL INFORMATION ABOUT INGREDIENTS

Information about presence and concentration of fragrance ingredients subject to IFRA Limits in the fragrance mixture Black Pepper Oil Organic is as follows:

Materials with an IFRA limit:	CAS number(s):	Concentration (%) in the fragrance mixture

Methyl eugenol	93-15-2	0.1000%
----------------	---------	---------

Regulatory Affairs Department

ANNEX 1

Below is an extract of information provided by IFRA in relation to types of application present in each IFRA Category. Additional information about IFRA Categories can be found in the Guidance to IFRA Standards, issued by IFRA.

IFRA Category	Product Type
IFRA Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Childrens toys
IFRA Category 2	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne, etc.); Body sprays (including body mist)
IFRA Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer; Facial make up and foundation; Make-up remover for face and eyes; Nose pore strips; Wipes or refreshing tissues for face, neck, hands, body; Body and face paint (for children and adults); Facial masks for face and around the eyes
IFRA Category 4	Hydroalcoholic and nonhydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms); Fragranced bracelets; Ingredients of perfume kits and fragrance mixtures for cosmetic kits; Scent pads, foil packs; Scent strips for hydroalcoholic products
IFRA Category 5A	Body creams, oils, lotions of all types; Foot care products (creams and powders); Insect repellent (intended to be applied to the skin); All powders and talc (excluding baby powders and talc)
IFRA Category 5B	Facial toner; Facial moisturizers and creams (including care products for beard and mustache)
IFRA Category 5C	Hand cream; Nail care products including cuticle creams, nail lacquer remover, etc.; Hand sanitizers
IFRA Category 5D	Baby cream/lotion, baby oil, baby powders and talc
IFRA Category 6	Toothpaste; Mouthwash, including breath sprays; Toothpowder, strips, mouthwash tablets
IFRA Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g., relaxers), including rinse-off hair dyes
IFRA Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.); Hair styling aids non sprays (mousse, gels, leave-on conditioners); Hair permanent or other hair chemical treatments (leave-on) (e.g., relaxers), including leave-on hair dyes; Shampoo - Dry (waterless shampoo); Hair deodorizer, hair perfume
IFRA Category 8	Intimate wipes; Intimate deodorant spray; Tampons; Baby wipes; Toilet paper (wet)
IFRA Category 9	Bar soap; Shampoo of all types; Cleanser for face (rinse-off); Conditioner (rinse-off); Liquid soap; Body washes and shower gels of all types; Baby wash, bath, shampoo; Bath gels, foams, mousses, salts, oils and other products added to bathwater (such as bath bombs); Foot care products (feet are placed in a bath for soaking); Shaving creams of all types (stick, gels, foams, etc.); All depilatories (including facial) and waxes for mechanical hair removal
IFRA Category 10A	Hand wash laundry detergent (including concentrates); Laundry pre-treatment of all types (e.g. paste, sprays, sticks); Hand dishwashing detergent (including concentrates); Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Machine laundry detergents with skin contact (e.g., liquids, powders) including concentrates; Toilet seat wipes; Fabric softeners of all types excluding fabric softener sheets; Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g., starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics); Floor wax; Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.; Ironing water (Odorized distilled water); Dry cleaning kits (involving manual application on the textile)
IFRA Category 10B	Animal sprays – sprays applied to animals of all types; Air freshener sprays, manual, including aerosol and pump; Aerosol/spray insecticides
IFRA Category 11A	Feminine hygiene conventional pads, liners, interlabial pads; Baby diapers; Incontinence pant, pad; Toilet paper (dry)
IFRA Category 11B	Tights with moisturizers; Scented socks, gloves; Facial tissues (dry tissues); Napkins; Pillow spray; Paper towels; Wheat bags; Facial masks (paper/protective) e.g., surgical masks not used as medical device; Fertilizers, solid (pellet or powder)
IFRA Category 12	Candles of all types (including encased); Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods); Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals, solid non aerosol car diffuser); Air delivery systems; Cat litter; Cell phone cases; Deodorizers/maskers not intended for skin contact (e.g., fabric drying machine deodorizers, carpet powders); Dry cleaning kits (placed in the dryer); Dryer sheets and fabric softener sheets; Fuels; Insecticides (e.g., mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays; Joss sticks or incense sticks; Dishwash detergent and deodorizers – for machine wash; Olfactive board games; Paints; Plastic articles (excluding toys); Scratch and sniff; Scent pack; Scent delivery system (using dry air technology); Shoe polishes; Rim blocks (toilet); Toilet gel; Scent beads

ALLERGEN 2023 DECLARATION

We hereby confirm that the following item contains the components listed below. Stated are the total levels added plus levels from natural ingredients. The information is supplied to enable compliance with Cosmetic and Detergent regulations.

Black Pepper Oil Organic

Ingredient	CAS	EC	Concentration (%)
Alpha-Terpinene	99-86-5	202-795-1	0.15%
Beta-Caryophyllene	87-44-5	201-746-1	35%
Limonene	138-86-3, 7705-14-8, 5989-54-8, 5989-27-5	205-341-0, 231-732-0, 227-815-6, 227-813-5	23%
Linalool	78-70-6	201-134-4	1%
Pinene	80-56-8, 7785-70-8, 127-91-3, 18172-67-3	201-291-9, 232-087-8, 204-872-5, 242-060-2	38%
Terpineol	8000-41-7, 98-55-5, 138-87-4, 586-81-2	232-268-1, 202-680-6, 205-342-6, 209-584-3	0.1%
Terpinolene	586-62-9	209-578-0	0.9%

Please note components <1ppm are not shown.

Regulatory Affairs Department