


1. Identification of the substances / mixture and of the company/undertaking.			
1.1 Product identifier: Black Pepper Oil India			
Substance name: Piper Nigrum Fruit Oil			
EC NO:	284-524-7	CAS NO:	8006-82-4
		EINECS CAS Number: 84929-41-9	
Index No:	Reach Registration No:		
1.2 Relevant identified uses of the substance or mixture and uses advised against			
Identified uses: Fragrance and flavour.			
Uses advised against:			
1.3 Details of the supplier of the safety data sheet			
Company	Penny Price Aromatherapy Ltd		
	Unit D3 Radius Court		
	Maple Drive		
	Hinckley		
	Leicestershire LE10 3BE		
Email	info@penny-price.com		
1.4 Emergency Telephone Number	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999		

2. Hazards Identification			
2.1 Classification of the substance or mixture			
Classified according to Regulation (EC) 1272/2008 (CLP) as amended	Physical and Chemical Hazards	Flam. Liq. 3 – H226	
	Human Health	Skin Irrit. 2 – H315	Eye Irrit. 2 – H319
		Skin Sens. 1 – H317	Asp. Tox. 1 – H304
	Environment	Aquatic Chronic. 2 – H411	
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard statements.			
H225	Highly flammable liquid and vapour	H226	Flammable Liquid and vapour.
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.
H335	May cause respiratory irritation.	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.
Precautionary Statements			
P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking	P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.	P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.	P243	Take precautionary measures against static discharges.
P261	Avoid breathing vapour/ spray.	P264	Wash contaminated skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.	P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.	P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE /doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.	P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	P321	Specific treatment (see medical advice on this label).
P331	Do NOT induce vomiting.	P332+P313	If skin irritation occurs: Get medical advice / attention.
P333+P313	If skin irritation or rash occurs: Get medical advice / attention.	P337+P313	If eye irritation persists: Get medical advice / attention.
P362+P364	Take off contaminated clothing and wash it before reuse.	P370+P378	In case of fire: Use foam, carbon dioxide, dry powder, or water fog to extinguish.
P391	Collect spillage.	P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.	P501	Dispose of contents / containers in accordance with local/ regional / national/ international regulations.
2.3 Other hazards – Results of PBT and vPvB			

3. 1 Composition / information on ingredients:			
Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Beta Caryophyllene	CAS No: 87-44-5 EC No: 201-746-1	>25<30%	Skin Sens. 1B – H317 Asp. Tox. 1 – H304
AND-p-mentha-1, 8-diene	CAS No: 5989-27-5 EC No: 227-813-5 M Factor (Acute) = 1	>10 <20%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
Alpha Pinene	CAS No: 80-56-8 EC No: 201-291-9 M Factor (Acute) = 1 M Factor (Chronic) = 1	>10<15%	Flam. Liq. 3 - H226 Acute Tox. 4 – H302 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 - H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
Beta Pinene	CAS No: 127-91-3 EC No: 242 – 060-2 M Factor (Acute) = 1 M Factor (Chronic) = 1	>10<15%	Flam. Liq. 3. – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
Sabinene	CAS No: 3387-41-5 EC No: 222-212-4	>5<10%	Acute Tox. 4 – H302
Delta-3-Carene	CAS No: 13466-78-9 EC No: 236 -719-3 M Factor (Acute) = 1 M Factor (Chronic) = 1	>5<10%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
Alpha Phellandrene	CAS No: 99-83-2 EC No: 202-792-5	>1<5%	Flam. Liq. 3 - H226 Asp. Tox. 1 – H304
a-humulene	CAS No: 6753-98-6 EC No: 229-816-7	>1<5%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 STOT SE. 3 – H335
Beta Phellandrene	CAS No: 555-10-2 EC No: 209-081-9	>1<5%	Flam. Liq. 3 – H226 Asp.Tox.1 – H304
7-methyl-3-methyleneocta-1, 6-diene	CAS No: 123-35-3 EC No: 204-622-5 M Factor (Acute) = 1 M Factor (Chronic) = 1	>1<5%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 -H410
Caryophyllene Oxide	CAS No: 1139-30-6 EC No: 214-519-7	>0.5<1%	Aquatic Chronic. 2 – H411
A terpinolene	CAS No: 586-62-9 EC No: 214-519-7	>0.5<1%	Skin Irrit. 2 – H315 Eye Irrit. 2 -H319

			Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Chronic. 2 -H411
Beta Bisabolene	CAS No: 495-61-4	>0.5<1%	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304
1,8 cineole	CAS No: 470-82-6 EC No: 207-431-5	>0.1<0.5%	Flam. Liq. 3 – H226 Skin Sens. 1 – H317
Neral	CAS No: 106-26-3 EC No: 203 -379-2	>0.1<0.5%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317
Camphene	CAS No: 79-92-5 EC No: 201-234-8 M Factor (Acute) = 1 M Factor (Chronic) = 1	>0.25<0.5%	Flam. Sol. 1 – H228 Eye Irrit. 2 – H319 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410
Geranial	CAS No: 141-27-5 EC No: 205-476-5	>0.1<0.5%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
Skin contact	Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils.
4.2 Most important symptoms and effects, both acute and delayed:	
Ingestion	Harmful if swallowed.
Skin contact	Irritating to skin
Eye contact	Causes serious eye damage.
4.3 Indication of any immediate medical attention and special treatment need	
	No further relevant information available.
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Use alcohol-resistant foam, Carbon dioxide (CO) or dry powder to extinguish.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Special hazards arising from the substances or mixture	

Hazardous combustion products:	In case of fire, the following can be released: Carbon monoxide (CO), Carbon dioxide (CO ₂), smoke and soot.
5.3 Advice for firefighters	Do not inhale explosion and /or combustion gases. Use self-contained breathing apparatus. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special Protective Equipment for Firefighters	Self-contained breathing apparatus must be used in handling.

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	Wear protective clothing and gloves.
Emergency procedures:	Keep unnecessary and unprotected personnel away from the spillage. Follow safety measures as mentioned in sections "Handling and storage" and "Exposure Controls/ Personal Protection". No smoking, sparks, flames or other sources of ignition near spillage.
6.1.2 For Emergency responders	
6.2 Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
6.3 Methods for cleaning up – 6.3.1 For containment:	Wipe up little amounts with absorbent material like cloth or pulp.
6.3.2 For cleaning up:	Water and cleansing agent. Absorb with incombustible liquid binding material (sand, universal binders). Dispose of contaminated material as waste according to "Disposal Considerations".
6.3.3. Other information:	
6.4 Reference to other sections	

7. Handling and storage	
7.1 Precautions for safe handling	
Protective measures: Use personal protection equipment as mentioned under "Exposure Controls and Personal Protection". Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Provide adequate ventilation. Do not get in eyes, on skin or on clothing.	
Measures to prevent fire:	
Measures to prevent aerosol and dust generation:	

Measures to protect the environment:	
Advice on general occupational hygiene:	Good personal hygiene procedures should be implemented.
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	Store in tightly closed, original container in a dry, cool and well-ventilated place.
Packaging Materials:	
Requirements for storage and vessels:	
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection		
8.1 Control parameters		
AND-p-mentha-1, 8-diene CAS: 5989-27-5	DNEL	Worker – Inhalation; Long-term systemic effects: 33.3 mg/m ³ General Population – Oral; Long-term systemic effects: 4.76 mg /kg
	PNEC	STP: 1.8 mg/l Soil: 0.262 mg/kg Fresh water: 0.0054 mg/l Marine water: 0.00054 mg/l Sediment (Freshwater): 1.32 mg/kg Sediment (Marine water): 0.13 mg/kg
Alpha Pinene CAS: 80-56-8	DNEL	Workers -Inhalation; Long-term systemic effects: 3.8 mg/ m ³ Workers – Dermal; Long-term systemic effects: 0.54 mg/kg, bw/day

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		General Population – Inhalation; Long-term systemic effects: 0.67 mg/m ³ General Population – Dermal; Long term systemic effects: 0.19mg/kg, bw/day General Population – Oral; Long term systemic effects: 0.19 mg/kg, bw/day
	PNEC	Fresh water, Short-term: 0.606 mg/l Fresh water, Intermittent release: 3.03 mg/l Marine water, Short-term: 0.061 mg/l Marine water, Intermittent release: 0.303 mg/l STP, Short-term: 0.2 mg/l Sediment (Freshwater), Short-term: 157 mg/kg Sediment (Marine water), Short-term: 157 mg/kg Soil, Short-term: 31.7 mg/kg
Beta Pinene CAS: 127-91-3	DNEL	Workers – Inhalation: Long-term systemic effects: 5.69 mg/m ³ Workers – Dermal; Long-term systemic effects: 0.8 mg/kg, bw/day General Population – Inhalation; Long-term systemic effects: 1mg/m ³ General Population – Dermal; Long-term systemic effects: 0.3 mg/kg, bw/day General Population – Oral; Long-term systemic effects: 0.3 mg/kg, bw/day
	PNEC	Fresh water, Short-term: 1.004 mg/l Fresh water, Intermittent release: 5.02 mg/l Marine water, Short-term: 0.1 mg/l STP, Short-term: 3.26 mg/l Sediment (Freshwater), Short-term: 0.337 mg/kg Sediment (Marine water), Short-term: 0.034mg/kg Soil, Short-term: 0.067 mg/kg
Delta-3-Carene CAS: 13466-78-9	DNEL	Workers -Inhalation; Long-term systemic effects: 5.69 mg/m ³ Workers – Dermal; Long-term systemic effects: 0.8mg/kg, bw/day General Population – Inhalation; Long-term systemic effects: 1mg/m ³ General Population – Dermal; Long-term systemic effects: 0.3 mg/kg, bw/day General Population – Oral; Long-term systemic effects: 0.3 mg/kg, bw/day
	PNEC	Fresh water, Short-term: 0.44 mg/l Marine water, Short-term: 0.044 mg/l STP, Short-term: 3.26 mg/l Sediment (Freshwater), Short-term: 104 mg/kg Sediment (Marine Water), Short-term: 10.4 mg/kg Soil, Short-term: 20.8 mg/kg
7-methyl-3-methyleneocta-1, 6-diene CAS: 123-35-3	DNEL	Workers – Inhalation; Long-term systemic effects: 5.83 mg/m ³ Workers – Dermal; Long-term systemic effects: 0.83 mg/kg, bw/day General Population; Inhalation; Long-term systemic effects: 1.25 mg/m ³

		General Population; Dermal; Long-term systemic effects: 0.42 mg/kg, bw /day
	PNEC	STP, Short-term: 0.2 mg/l Soil: 1.015 mg/kg Fresh water: 0.00028 mg/l Marine water: 0.0008 mg/l Sediment (Freshwater): 5.022 mg/kg Sediment (Marine water): 0.502 mg/kg
1,8 cineole CAS: 470-82-6	DNEL	Workers -Inhalation; Long- term systemic effects: 7.05 mg/m ³ Workers – Dermal: Long-term systemic effects: 2 mg/kg, bw/day General Population – Inhalation; Long-term systemic effects:1.74 mg/m ³ General Population – Dermal; Long term systemic effects: 1 mg/kg, bw/day General Population -Oral: Long term systemic effects: 600 mg/kg, bw/day
	PNEC	Fresh water; Short-term: 5.7 mg/l Fresh water; Intermittent release: 0.57mg/l Marine water; Short-term: 5.7 mg/l STP; Short-term; 10mg/l Sediment (Freshwater); Short-term: 1.425 mg/kg Sediment (Marine water); Short-term: 0.142 mg/kg Soil; Short-term: 0.25 mg/kg
Camphene CAS: 79-92-5	DNEL	Workers – Inhalation; Long-term systemic effects: 110.19 mg/m ³ Workers – Inhalation; Short-term effects: 110.19 mg/m ³ Workers – Dermal; Long-term systemic effects: 0.21mg/kg, bw/day Workers- Dermal; Short- term systemic effects: 1.25 mg/kg, bw/day General Population – Inhalation; Long- term systemic effects: 54.3 mg/m ³ General Population – Inhalation; Short-term systemic effects: 54.3 mg/m ³ General Population – Dermal; Long-term systemic effects: 0.1 mg/m ³ General Population – Dermal; Short-term systemic effects: 0.625mg/kg, bw/day General Population – Oral; Long-term systemic effects: 0.1 mg/kg, bw/day General Population – Oral; Short-term systemic effects: 0.625 mg/kg, bw/day
	PNEC	Fresh water; Short-term: 0.001 mg/l Fresh water; Intermittent release: 0.001 mg/l Marine water; Short-term: 0 mg/l STP; Short-term: 10 mg/l Sediment (Freshwater); Short-term: 0.026mg / kg Sediment (Marine water); Short-term: 0.003 mg/kg Soil; Short-term: 0.021 mg/kg

8.2 Exposure controls	
8.2.2 Personal Protection equipment: General protective and hygienic measures: Use personal protective equipment depending on concentration and amount of hazardous substance. Keep away from foodstuff, beverages, and food. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Good personal hygiene procedures should be implemented.	
8.2.2.1 Eye / face protection	Approved safety goggles.
8.2.2.2 Skin Protection	
Hand protection	Use protective gloves. Material of gloves: The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove material cannot be calculated in advance and has to be checked prior to the application. Penetration time of glove material >480 minutes at layer thickness of 0.425 mm (Sol-Vex (37-695) from Ansell). Use gloves according to EN374. For permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR (e.g., following product: Sol-Vex (37-695) from Astell. For protection from splashes gloves made of the following are suitable: PVC gloves.
Other skin protection	Wear protective clothing.
8.2.2.3 Respiratory protection	Suitable respiratory protection: filter class A2 (brown colour). Use the rules for application of respiratory protection systems.
Ventilation	
8.2.2.4 Thermal hazards	
8.2.3 Environmental exposure controls	
9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	
Colour	Yellowish to greenish
Appearance	Liquid
Odour	Characteristic
Melting Point / freezing point	
Boiling point /Initial boiling point & boiling range	
Flammability	
Lower and upper explosion limit	
Flash point °C	50°C
Auto- ignition temperature	
Decomposition	
pH	
Kinematic Viscosity	
Solubility	


Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	
Density and /or relative density @ 20°C	0.865 to 0.885
Relative vapour density	
Particle characteristics	
9.2 Other information	
Specific gravity d_{20}^{20}	
Optical rotation @ 20°C	-28 – 2.5
Refractive index @ 20°C	1.477 to 1.488
Typical analysis of major components	

10. Stability and reactivity	
10.1 Reactivity	No data available
10.2 Chemical Stability	Stable under the normal conditions.
10.3 Possibility of hazardous reactions:	Under normal conditions of storage and use, no hazardous reactions will occur.
10.4 Conditions to avoid:	Avoid heat, flames, and other sources of ignition.
10.5 Incompatible Materials:	Oxidising agents. Acids, bases.
10.6 Hazardous Decomposition Products	No dangerous decomposition products expected by intended use.

11. Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008	
Acute toxicity:	
Skin corrosion /irritation:	REACH dossier information. Irritating to skin.
Seriously eye damage/irritation:	
Respiratory or skin sensitisation:	REACH dossier information. Sensitising.
Germ cell mutagenicity:	
Carcinogenicity:	
Reproductive toxicity:	
Summary of evaluation of the CMR properties:	
STOT- single exposure,	
STOT-repeated exposure:	
Aspiration hazard:	

12. Ecological information	
12.1 Toxicity	No data available.
12.2 Persistency degradability	Expected to be readily biodegradable.
12.3 Bio accumulative 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 Endocrine disrupting properties	
12.7 Other adverse effects	No data available.

13. Disposal considerations	
13.1 Waste treatment methods	Dispose of contents / containers in accordance with local / regional / national / international regulations. Must not be disposed together with household waste.
13.1.1. Product /Packaging disposal:	
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	

14. Transport information	
14.1 UN Number or ID number ADR/RID, IMDG, ICAO, AND	1169
14.2 UN proper Shipping name ADR/RID, IMDG, ICAO, AND	EXTRACTS, AROMATIC, LIQUID
14.3 Transport hazard class(es) ADR/RID Class ADR/RID Classification Code ADR/RID Label IMDG Class ICAO Class / Division AND Class Transport Labels	3 F1 3 3 3 3 3 
14.4 Packing group ADR/RID, IMDG, ICAO, AND	III
14.5 Environmental hazards Environmentally Hazardous Substances/ Marine Pollutant	No.
14.6 Special precautions for User EmS ADR Transport Category	F-E, S-D 3

Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30
Tunnel Restriction Code	(D/E)
14.7 Maritime transport in bulk according to IMO instruments	No data available

15 Regulatory information	
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture	
I.e., EU Directives / EU Legislation	Regulation (EU) No. 1272/2008 of the European Parliament and of the Council of 16 th December 2008 on classification, labelling and packaging of substances and mixture (as amended).
15.2 Chemical Safety Assessment	No data available.

16. Other information	
(i) Indication of Changes: Revised Safety Data Sheet Format: From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021’.	
<p>(i) Abbreviations and acronyms: RID: Reglement international concernant le transport des marschandisers dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Good by Rail). IATA-DGR: Dangerous Goods Regulations by the “International Air Transport Association” (LATA) ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the ‘International Civil Aviation Organisation” (ICAO) ADR: Accord eurpeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal Dose, 50 percent PBT: Persistent, Bio accumulative and Toxic vPvB: Very Persistent and very Bio accumulative</p>	
(ii) Key Literature references and sources of date.	
(iii) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):	

Classification according to Regulation (EC) 1272/2008(CLP)	Classification procedure
(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	
Shelf life	Minimum 12 months when stored in the advised conditions.

QC requirements

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

Disclaimer:

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.