


1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier: Thyme oil White		
Substance name:		
Biological Definition	Product Name: Thyme oil White EQA89532	
INCI Name		
Synonyms & Trade Names	None	
EC NO:	CAS NO: 84929-51-1	EINECS CAS Number:
Index No:	Reach Registration No:	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses:		
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. <u>Or call NHS 111 or NHS 999</u>	

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	Acute Tox. Oral. 4 – H304	Skin Corr/ Irrit. 1B-
		Skin Corr / Irrit. 1C - H314	Eye Dam/ Irrit 1 -H31411
		Skin Sens. 1 – H317	Aspiration Hazard – 1- H302
	Environment	Aquatic Environment - Long-term Hazard Category 2 – H411	
2.2 Label Element Labelling according to 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	H314	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction	H411	Toxic to aquatic life with long lasting effects.

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
P260	Do not breathe 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.
P301/330/331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth
P331	Do NOT induce vomiting
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use for extinction: Foam, Dry chemical, Carbon dioxide.
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.

Supplementary Precautionary Statements:

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2.3 Other hazards – Results of PBT and vPvB According to Annex XIII

None

Adverse Physio-chemical Properties

Adverse Effects on Human Health

3. 1 Composition / information on ingredients:			
Product identifier: Thyme oil White; CAS: 84929-51-1			
Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Thymol	CAS: 89-83-8 EC: 201-944-8	50%	Acute Tox. 4 - H302 Skin Corr. 1B Eye Dam. 1-H314 Aquatic Chronic 2 - H411
Linalool	CAS: 78-70-6 EC: 201-134-4	7%	Skin Irrit. 2 - H315 Eye Irrit. 2 -H319
alpha-Pinene	CAS: 80-56-8 EC: 201-291-9	6%	Flam. Liq. 3 – H226 Skin Irrit. 2- H315 Skin Sens. 1B – H317 Asp. Tox 1 - H304
Carvacrol	CAS: 499-75-2 EC: 207-889-6	3%	Acute Tox. 4 – Skin Irrit. 2- Eye Irrit. 2-Skin Sens. 1B; H302-H315-H317-H319
d-Limonene	CAS: 5989-27-5 EC: 227-813-5	1%	Flam. Liq. 3-Skin Irrit. 2- Skin Sens. 1B-Asp. Tox 1- Aquatic Acute 1- Aquatic Chronic 1;H226-H304-H315-H317-H410

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product.
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. If irritation persists seek medical advice / attention.
Skin contact (or hair)	Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or a doctor.
4.2 Most important symptoms and effects, both acute and delayed:	
Harmful if swallowed. May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. May cause an allergic skin reaction.	
4.3 Indication of any immediate medical attention and special treatment need	
None expected, see Section 4.1 for further information.	
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Carbon dioxide, dry chemical, foam

Unsuitable extinguishing media:	No data available
5.2 Special hazards arising from the substances or mixture:	
Hazardous combustion products:	Carbon monoxide, unidentified organic compounds
5.3 Advice for firefighters	Incase of insufficient ventilation, wear suitable respiratory equipment

6 Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

6.1.1 For non-emergency personnel

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

Emergency procedures: No Data available

6.1.2 For Emergency responders: No Data available

6.2 Environmental precautions Keep away from drains, surface and ground water, and soil.

6.3 Methods for cleaning up – 6.3.1 For containment:

6.3.2 For 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.

6.3.3. Other information: No Data available

6.4 Reference to other sections Also refer to sections 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling

Protective measures:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
Do not eat, drink or smoke when using this product.

Measures to prevent fire: No Data available

Measures to prevent aerosol and dust generation: No Data available

Measures to protect the environment: No Data available

Advice on general occupational hygiene: No Data available

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: 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.

Packaging Materials: No Data available

Requirements for storage and vessels: No Data available

Storage Class: Further information on storage containers:	No Data available
7.3 Specific end use(s).	Use in accordance with good manufacturing and industrial hygiene practices.
Recommendations:	No Data available
Industrial sector specific solutions:	No Data available

8. Exposure controls/Personal protection:	
8.1 Control parameters	
8.2 Exposure controls	Not Applicable
Engineering Measures	
8.2.2 Personal Protection equipment	
8.2.2.1 Eye / face protection	Wear protective gloves/eye protection/face protection
8.2.2.2 Skin Protection	Wear protective gloves/eye protection/face protection
Hand protection	Wear protective gloves/eye protection/face protection
Other skin protection	N/A
8.2.2.3 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
Ventilation	Not Applicable
8.2.2.4 Thermal hazards	Not Applicable
8.2.3 Environmental exposure controls	

9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	
Colour	Pale yellow to yellow
Appearance	Clear mobile liquid
Odour	Spicy, phenolic
Melting Point / freezing point	
Boiling point /Initial boiling point & boiling range	Not determined
Flammability	
Lower and upper explosion limit	
Flash point °C	56°C

Auto- ignition temperature	
Decomposition temperature	
pH	Not determined
Kinematic Viscosity	
Solubility(ies)	Not determined
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	Not determined
Density and /or relative density	
Relative density	Not determined
Particle characteristics	
Explosive Properties	
Oxidising Properties	
9.2 Other information	None available
Specific gravity	
Optical rotation @ 20 ⁰ C	
Refractive index @ 20 ⁰ C	
Typical analysis of major components	

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.

11. Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008	
Information on Toxicological Effects	
Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 1800 mg/kg	
Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: Not Applicable	
Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available	
Inhalation Route: Not Available	
Refer to Section 2 for additional information.	
Acute toxicity:	
Skin corrosion /irritation:	
Seriously eye damage/irritation:	Causes severe skin burns and eye damage.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	

Carcinogenicity:	
Reproductive toxicity:	
Summary of evaluation of the CMR properties:	
STOT- single exposure,	
STOT-repeated exposure:	
Aspiration hazard:	Harmful if swallowed May be fatal if swallowed and enters airways.

12. Ecological information	
12.1 Toxicity	Toxic to aquatic life with long lasting effects
12.2 Persistency & degradability	Not available
12.3 Bio accumulative 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	
12.7 Other adverse effects	Not available

13. Disposal considerations	
13.1 Waste treatment methods	Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment.
13.1.1. Product /Packaging disposal:	Empty containers should be taken to an approved waste handling site for recycling or disposal.
13.1.2 Waste treatment-relevant information:	Not available
13.1.3 Sewage disposal-relevant information:	Not available
13.1.4 Other disposal-relevant recommendations:	Dispose of contents / containers in accordance with local / regional / national /international regulations.

14. Transport information	
14.1 UN Number or ID number	UN2924
14.2 UN proper Shipping name	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (alpha-Pinene, Thymol)
14.3 Transport hazard class(es) Sub Risk:	3 8
14.4 Packing group	III
14.5 Environmental hazards	This is an environmentally hazardous substance.
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

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.

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’.

(ii) Abbreviations and acronyms:

DNEL: Derived No-Effect Level.

PNEC: Predicted No- Effect Concentration.

ADR: European agreement concerning the international carriage of dangerous goods by road.

RID: Regulations concerning the International carriage of Dangerous goods by rail.

IATA-DGR: Dangerous Goods Regulations by the “International Air Transport Association” (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the ‘International Civil Aviation Organisation” (ICAO)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Maritime Dangerous Goods.

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)

WGK: Water Hazard Class.

LC50: Lethal concentration, 50 percent

LD50: Lethal Dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic

vPvB: Very Persistent and very Bio accumulative

Acute Tox. 4 Acute Toxicity - Oral Category 4

Aquatic Acute 1 Hazardous to the Aquatic Environment - Acute Hazard Category 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

Asp. Tox 1 Aspiration Hazard Category 1

Eye Dam. 1 Eye Damage / Irritation Category 1

Eye Irrit. 2 Eye Damage / Irritation Category 2

Flam. Liq. 3 Flammable Liquid, Hazard Category 3

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

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.
P260 Do not breathe vapour or dust.
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.
P301/312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301/330/331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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.
P310 Immediately call a POISON CENTER or doctor/physician.
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 for extinction: Foam, Dry chemical, Carbon dioxide.
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.
Skin Corr. 1B Skin Corrosion / Irritation Category 1B
Skin Irrit. 2 Skin Corrosion / Irritation Category 2
Skin Sens. 1B Sensitization - Skin Category 1B

(iii) Key Literature references and sources of date.

(iv) 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.	