



1. Identification of the substances / mixture and of the company/undertaking.						
1.1 Product identifier: Organic Thyme Essential Oil						
<b>Substance name:</b> (Thymus vulgaris)	Substance name: (Thymus vulgaris) CT Thujanol					
<b>Biological Definition</b>		t Name: Thyme Th	nujanol			
INCI Name	Produc	t Code: B920				
Synonyms & Trade Names						
EC NO:	CAS	<b>EINECS CAS Num</b>	<b>ber:</b> 84929-51-1			
	NO:					
	8007-					
	46-3					
Index No:		Registration No:				
1.2 Relevant identified uses of the		<u>e or mixture and i</u>	uses advised against			
Identified uses: Only for industrial u	se.					
Uses advised against:						
1.3 Details of the supplier of the sa						
Company		Price Aromatherapy	Ltd			
		Radius Court				
		Maple Drive				
	Hinckle					
		ershire LE10 3BE				
Email		info@penny-price.com				
1.4 Emergency Telephone	-	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am –				
Number	2pm. <u>C</u>	<u> Or call NHS 111 or N</u>	<u>IHS 999</u>			
2. Hazards Identification						
2.1 Classification of the substance of	or mixtu	re				
Classified according to		l and Chemical	Flam. Lig. 3 – H226			
Regulation (EC) 1272/2008 (CLP)	Hazards		114 2.4. 3			
as amended	Human		Asp. Tox. 1 - H304	Skin Irrit. 2 – H315		
			Skin Sens. 1 – H317			
	Environ	Environment Aquatic Chronic. 2 – H411				
2.2 Label Element Labelling accord	ina to Re	egulation (EC) No.	1272/2008:			
3	J	, ,	·			
AL A						

_	• .			<b>1 A /</b>	ord		1 A	ΙΑ				
•	14	nn	aı.	w	nra		w	ΙД	ĸ	M	IN	(-
•	ш	9	uı	~ ~	v: u	•		_				•

Hazard statements.			
H226	Flammable liquid and vapours.	H304	Maybe fatal if swallowed and enters airways
H315	Causes Skin Irritation.	H317	May cause an allergic skin reaction.
H411	Toxic to aquatic organisms, causes long-		
	term adverse effects.		





<b>.</b>					
Precautionary state	ments.				
P210	Keep away from heat, hot surfaces, sparks, open flames and any other sources of ignition. Do not				
	smoke.				
P233	Keep the container tightly closed.				
P240	Grounding / bond container and receiving equipment.				
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER / Doctor.				
P403 + P235	Store in a well-ventilated place. Keep Cool.				
P501	Dispose of contents / container in accordance with loca / regional / national / international				
	regulations.				
Supplementary Pred	cautionary Statements:				
2.3 Other hazards	Not applicable				
<ul> <li>Results of PBT</li> </ul>					
and vPvB					
According to					
Annex XIII					
Adverse Physio-che	Adverse Physio-chemical Properties				
Adverse Effects on Human Health					

#### 3. 1 Composition / information on ingredients:

**Substances** 

**No CAS:** 8007-46-3

Description: Thymus vulgaris L.
 Code(S) Identification
 EC Number: 284-535-7

Substance name	Index number under CLP	Weight %	CL, M-Factor, ATE
	Annex VI	content (or	
		range)	
Linalool	CAS: 78-70-6	20,001-	Skin Irrit. 2 - H315
	EC: 201-134 -4		Eye Irrit. 2 - H319
			Skin Sens.1B – H317
p-menth-1-ene-4-ol	CAS: 562-	10,001-	Eye Irrit. 2 – H319
(4-terpineol)	EC: 209-235-5		
myrcene	CAS: 123-35-3	5,001 -10,00	Flam. Liq. 3 – H226
	EC: 204-622-5		Asp. Tox. 1 – H304
			Skin Irrit. 2 – H315
			Eye Irrit. 2 – H319
terpinene alpha	CAS: 99-86-5	5,001 -10,00	Flam. Liq. 3 – H226
	EC: 202-795-1		Asp. Tox. 1 – H304
			Acute Tox. 4 – H302
			Aquatic Chronic. 2 – H411
acetate linalyle	CAS: 115 -95-7	5,001 -10,00	Skin Irrit. 2- H315
-	EC: 204-116-4		Eye Irrit. 2 - 319
caryophyllene	CAS: 87-44-5	5,001 -10,00	Asp. Tox. 1 – H304





-	EC: 201-746-1		Skin Sens. 1B – H317
limonene-d	CAS: 598-927-5	5,001 -10,00	Flam. Liq. 3 – H226
ionene u	EC: 227-813-5	3,001 10,00	Asp. Tox. 1 – H304
	25. 22, 013 3		Skin Irrit. 2 - H315
			Skin Sens. 1B – H317
			Aquatic Acute. 1 – H400
			Aquatic Chronic. 3 – H412
sabinene	CAS: 338-741-5	1,001 -5,00	Acute. Tox. 4 – H302
Sabinerie	EC: 222-212-4	1,001 3,00	Acute. 10x. 4 11302
p-menth-1-en-8-ol	CAS: 98-55-5	1,001 -5,00	Skin Irrit. 2 – H315
p mentil i en o oi	EC: 202-680-6	1,001 3,00	Eye Irrit. 2 – H319
p-mentha-1,4(8)-	CAS: 586-62-9	1,001 -5,00	Asp. Tox. 1 – H304
diene (terpinolene)	EC: 209-578-0	1,001 3,00	Skin Sens. 1B – H317
diene (terpinolene)	203 370 0		Aquatic Acute. 1 – H400
			Agautic Chronic. 1 -H410
acetate terpenyle	CAS: 800-735-0	1,001 – 5,00	Aquatic Chronic. 2 – H411
	EC: 232-357-5	1,001 3,00	/ iquatic cinicine: 2
geraniol	CAS: 106-24-1	1,001 -5,00	Eye dam. 1 – H318
	EC: 203-377-1	, , , , , , , , , , , , , , , , , , , ,	Skin Irrit. 2 – H315
			Skin Sens. 1B – H317
p-cymene	CAS: 99-87-6	1,001 -5,00	Flam. Liq. 2 – H226
	EC: 202-796-7		Asp. Tox.1 – H304
			Aquatic Chronic. 2 -H411
pin-2(10)-ene	CAS: 127-91-3	1,000 -5,00	Flam. Liq3 -H226
(pinene beta)	EC: 204-872-5		Asp. Tox. – 1 – H304
			Skin Irrit. 2 – H315
			Skin Sens. 1B – H317
citral	CAS: 539-240-5	1,001 – 5,00	Skin Irrit. 2 – H315
	EC: 226-394-6		Eye Irrit. 2 – H319
			Skin Sens. 1B – H317
oct-1-ene-3-ol	CAS: 339-186-4	0, 101- 1,00	Acute Tox. 4 – H302
	EC: 222-226-0		Acute Tox. 4 – H332
			Skin Irrit. 2 – H315
			Eye Irrit. 2 - H319
			Aquatic Acute. 1 – H400
epoxycaryophyllene	CAS: 113-930-6	1,101-1,00	Aquatic Chronic. 2 – H411
	EC; 214-519-7		
eucalyptol	CAS: 470-82-6	0,101 -1,00	Flam. Liq. 3 – H226
	EC; 207-431-5		Skin Sens. 1B – H317
thymol	CAS: 89-83-8	0,101-1,00	Skin Corr. 1B – H314
	EC; 201-944-8		Eye Dam. 1 – H318
			Acute. Tox. 4 – H302
			Aquatic Chronic. 2 – H411
camphene	CAS: 79-92-5	0,101-1,00	Flam. Sol. 1 – H228
	EC; 201-234-8		Aquatic Acute. 1 – H400





1	vations		
			Aquatic Chronic. 1 – H410
carvacrol	CAS: 499-75-2	0,101-1,00	Acute Tox. 4 – H302
	EC; 207-234-8		Skin Irrit. 2 – H315
			Eye Irrit. 2 – H319
			Skin Sens. 1B - H317
pin-2(3)-ene (alpha	CAS: 80-56-8	0,101-1,00	Flam. Liq. 3 – H226
pinene)	EC; 201-291-9		Asp Tox. 1 -H304
			Acute Tox. 4 – H302
			Skin Irrit. 2 – H315
			Skin Sens. 1B – H317
delta-3-carene	CAS: 134-667-89	0,101-1,00	Flam. Liq. 3 – H226
	EC; 236-719-3		Asp. Tox. 1 - H304
			Skin Irrit. 2 – H315
			Skin Sens. 1B – H317

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	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:			
	No further relevant information available.		
4.3 Indication of any immediate me	edical attention and special treatment need		
	No further relevant information available.		
5. Firefighting Measures			
5.1 Extinguishing Media:			
Suitable extinguishing media:	CO2, sand, extinguishing powder. Do not use water. Adapt fire extinguishing		
	measures to the environment		
Unsuitable extinguishing media:	High flow water jet		
5.2 Special hazards arising from the	e substances or mixture: None		
Hazardous combustion products:	Possibility of formation of toxic gases in case of heating or fire.		
5.3 Advice for firefighters	Do not inhale blast gases and fire gases.		
	Cool containers in danger by spraying water.		

#### 6 Accidental release measures





5.1 Personal precaut	ions, protectiv	e equipment, and emergency procedures
5.1.1 For non-emerg	ency personne	d Control of the Cont
Protective equipmen	nt:	
Emergency procedu	res:	Wear safety equipment .
		Keep unprotected people away.
		Ensure sufficient ventilation .
		Keep away from ignition sources .
5.1.2 For Emergency	responders	
5.2 Environmental p	recautions	Do not discharge into the sewer or into the natural environment .
5.3 Methods for clea	ning up –	Dispose of the material collected in accordance with the Regulation.
5.3.1 For containme	nt:	
5.3.2 For cleaning up	<b>)</b> :	
5.3.3. Other informa	tion:	
5.4 Reference to ot-	+	For information on safe handling, see Chapter 7.
+0.0.her sections		For information on personal protective equipment, see Chapter 8.
		For information on waste disposal see Chapter 13.
7		
7. Handling and sto		
7.1 Precautions for s Protective measures		
Protective measures Prevent formation of		
		from sources of ignition DO NOT SMOVE
	-	y from sources of ignition. DO NOT SMOKE.
		and industrial hygiene practices, ensuring proper workplace ventilation. Observe
Jood personal nygler <b>Vleasures to</b>		at, drink or smoke whilst handling. m ignition sources - do not smoke.
orevent fire:		s against electrostatic charges.
orevent fire:	Take measures	s against electrostatic charges.
Measures to		
prevent aerosol		
and dust		
generation:		
Measures to		
protect the		
environment:		
Advice on general	Hold container	rs tightly closed.
occupational		igh heat and direct sunlight.
nygiene:		entilation/suction of the workstation .
	Handle with ca	
	Avoid shaking,	friction and shock.





7.2 Conditions for sa	afe storage, inc	luding any incompatibilities			
Technical	Keep only in th	Keep only in the original barrel.			
measures and	Use only packa	aging specially approved for the material/product			
storage conditions:					
n. d					
Packaging					
Materials:					
Requirements for	Hold packages	s tightly closed.			
storage and	Protect from h	igh heat and direct sunlight.			
vessels:	Store packagir	ng in a well-ventilated area.			
Storage Class:					
Further					
information on					
storage containers:					
7.3 Specific end	No other impo	ortant information available.			
use(s).					
Recommendations:					
Industrial sector					
specific solutions:					
8. Exposure control	s/Personal pro	tection:			
8.1 Control paramet	•	No data.			
8.2 Exposure contro		General protection and hygiene measures:			
		Comply with the usual safety measures for the use of chemicals. Wash hands			
		before breaks and at the end of work.			
<b>Engineering Measur</b>	es	Ensure good ventilation of working area.			
8.2.2 Personal Prot					
8.2.2.1 Eye / face prot		Protective Glasses			
8.2.2.2 Skin Protectio					
Hand protection		Protective Gloves			
·		The material of the gloves must be waterproof and resistant to the			
		product/substance/preparation. Due to the lack of testing, no recommendation			
		for a glove material for the product/preparation/mixture of chemicals can be			
		given. Choice of glove material based on penetration times, permeability rate and			
		degradation.			
		Glove material			
		The choice of suitable gloves depends not only on the material, but also on other			
		quality criteria that may vary from one manufacturer to another.			
		Penetration time of glove material			
		The exact penetration time is to be determined by the manufacturer of the			
		protective gloves and to be respected.			
Other skin protection					
8.2.2.3 Respiratory	orotection	Use a respirator if ventilation is insufficient.			



Ventilation

**10.5 Incompatible Materials:** 



### Penny Price Aromatherapy/ Aroma Formulations SAFETY DATA SHEET According to Regulation (EC) No.1272/2008

Ventilation	
8.2.2.4 Thermal hazards	
8.2.3 Environmental exposure	
controls	
9. Physical and chemical properties	s- C of A
9.1 Information on basic physical a	nd chemical properties
Colour	Pale yellow to yellow orange
Appearance	Liquid
Odour	Characteristic
Melting Point / freezing point	Not determined
Boiling point /Initial boiling point &	
boiling range	
Flammability	Not determined
Lower and upper explosion limit	
Flash point <sup>0</sup> C	60.0°C / NFT 60-130 CC
Auto- ignition temperature	
Decomposition temperature	
рН	
Kinematic Viscosity	
Solubility in / miscibility with water	Not determined
Solubility in other Solvents	
Partition coefficient n-octanol/	Not determined
water	
Vapour Pressure	Not determined.
Density	Not determined.
Relative vapour density	0.8920 0.915 D20/20
Particle characteristics	
Explosive Properties	Not determined
Oxidising Properties	
9.2 Other information	No other important information available.
Specific gravity	
Optical rotation @ 20°C	
Refractive index @ 20°C	
Typical analysis of major	
components	
40 Ct-bility and repetivity	
10. Stability and reactivity	No other interesting available
10.1 Reactivity	No other important information available.  Thermal decomposition / conditions to be avoided: Not determine
10.2 Chemical Stability	Thermal decomposition / conditions to be avoided: Not determind.
10.3 Possibility of hazardous	No known dangerous reactions.
reactions:	
10.4 Conditions to avoid:	No other important available.

No other important available.





10.6 Hazardous Decomposition	
Products	

11. Toxicological information					
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008					
Information on Toxicological Effects					
Acute toxicity:	Classification determinant LD/LC50 values: ISO LD/LC				
CAS	Name				
800-746-3	Thymus Vulgaris L.	Oral – LD50;	4700 mg/kg (rat)		
		Dermal – LD50	>=5000 mg/kg (rabbit)		
78-70-6	Linalool	Oral - LD50	2790 mg /kg (rat)		
		Dermal – LD50	5610 Mg/kg (rabbit)		
87-44-5	Caryophyllene	Oral – LD50	>5000 mg /kg (rat) (Hart and Wong 1971)		
598 -927-5	Limonene-d	Oral -LD50	4400 mg/kg (rat)		
98-55-5	p-menth-1-en-8-ol	Oral - LD50	4300 mg /kg (rat)		
539 -240-5	Citral	Oral -LD50	4960 mg /kg (rat)		
331-186-4	oct-1-ene-3-ol	Oral -LD50	340 mg/kg (rat)		
		Dermal – LD50	3300 mg/kg (rabbit)		
113-930-6	epoxycaryophyllene	Oral -LD50	>5000 mg/kg (rat) (Moreno 1978)		
470-82-6	eucalyptol	Oral – LD50	3849 mg/kg (mice) (Jiao Xu, 2014)		
89-83-8	Thymol	Oral – LD50	980 mg /kg (rat)		
79-92-5	camphene	Oral - LD50	5000 mg/kg (rat)		
		Dermal – LD50	2500 mg/ kg (rabbit)		
499-75-2	carvacrol	Oral – LD50	810 mg/kg (rat)		
134-667-89	delta-3-carene	Oral -LD50	4800 Mg/kg (rat) ( Moreno 1975)		
Skin corrosion	No irritation effect.				
/irritation:					
Seriously eye	No irritation effect.				
damage/irritation:					
Respiratory or skin	No known awareness	No known awareness effects.			
sensitisation:	Sub acute to chronic –	Sub acute to chronic – toxicity.			
Germ cell	Not determined				
mutagenicity:					
Carcinogenicity:	Not determined	Not determined			
Reproductive	Not determined.				
toxicity:					
Summary of					
evaluation of the					
CMR properties:					
STOT- single	Not determined				
exposure,					
STOT-repeated	Not determined				
exposure:					
Aspiration hazard:					



**IMDG** 



#### **Penny Price Aromatherapy/ Aroma Formulations SAFETY DATA SHEET** According to Regulation (EC) No.1272/2008

12. Ecological information					
12.1 Toxicity					
Aquatic Toxicity					
8007-46-3 Thymus vulgaris L.	EC50	/ 48h: 11.00 mg/l (daphnia)			
78-70-6 linalol	LD50: ErC50	27.7 mg/l (fish) ((OECD 203) IMFB 1991) (0-72H): 156.7 mg/l (algae)			
	ErC50	(0.48h): 59 mg / l (daphnia) (OECD 202)			
123-35-37-methyl-3-	LD50:	0.51 mg/l (fish) (OECD)			
methyleneocta-1,6-diene (myrcene)	EC50	/48h: 0.65 mg/l (daphnia)			
115-95-7 acetate linalyle	ErC50	(0.72h): 9.6 mg/l (algae) (IMFN 2015)			
!	ErC50	(0.48h): 15 mg/l (daphnia) ( IMFN 2015)			
	LD50	96h: 11 mg/l (fish) ( IMFN 1998)			
5989-27-5 limonene-d	LD50	0.71 mg/l (fish) ( OECD 203)			
99-87-6 p-cymene	LD50	1.63 mg/l (fish) ( OECD 203)			
12.2 Persistency & degradability	No other important information available.				
Behaviour in environment					
compartments:	Not determined.				
12.3 Bio accumulative potential	No other important in	formation available.			
12.4 Mobility in soil	No other important in	formation available.			
12.5 Results of PBT and vPvB Assessment	Non applicable				
12.6 Endocrine disrupting properties					
12.7 Other adverse effects	No other important in	formation available.			
13. Disposal considerations	Γ				
13.1 Waste treatment methods	Must be subject to spe	ecial treatment in accordance with legal requirements.			
13.1.1. Product /Packaging disposal:					
13.1.2 Waste treatment-relevant					
information:					
13.1.3 Sewage disposal-relevant					
information:	D'anna af antanta /	· · · · · · · · · · · · · · · · · · ·			
13.1.4 Other disposal-relevant	Dispose of contents / container in accordance with local / regional / national /				
recommendations:	international regulatio	ins.			
14. Transport information					
14.1 UN Number or ID number ADR/ IMDG / IATA	UN1169				
14.2 UN proper Shipping name ADR	1160 EXTRACTS, ARON	MATIC, LIQUID			

EXTRACTS, AROMATIC, LIQUID (THYMUS VULGARIS L. )





bespoke skincare innovations  The English Aromathe	гару Сомраву
IATA	EXTRACTS, AROMATIC, LIQUID
14.3 Transport hazard class(es) ADR	FLAMMABLE 3
Class Label	3 (F1) Flammable Liquid 3
IMDG	3 Flammable Liquid
Class Label	3
IATA	FLAMMABLE 3
Class Label	3 Flammable Liquid 3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards	Marine:
14.6 Special precautions for user	
Warming:	Flammable Liquids
Kemler Index:	30
No EMS:	F-E, S-D
14.7 Maritime transport in bulk according to Annex II to MARPOL 73/78 and the IBC Code	Non Applicable
Additional Transport Information	
Excepted	E1
Quantities (EQ)	5L
Limited quantities	3
(LQ) Transport	D/E
Category	-
Tunnel Restriction Code	-
IMDG	F1
Limited quantities (LQ)	E1
Excepted quantities (EQ)	E1





15 Regulatory information					
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture					
National Requirements:					
Water Pollution Class	Generally non-polluting				
15.2 Chemical Safety Assessment	A chemical safety assessment has not been carried out.				

#### 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:

NOAEL: No observed advers effect level

**OECD:** Organisation for Econonic Co-operation & Development

IFRA: International Fragrance Association IOFI: Internaational Organisation of the Flavour Industry

**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

**CE50:** Effective concentration at 50% ErC50: Concentration of test substance which results in a 50 percent reduction

in either growth rate (ErC50) relative to the control within 72hrs exposure.

**PBT:** Persistent, Bio accumulative and Toxic **vPvB:** Very Persistent and very Bio accumulative

Flam. Liq: Flammable Liquid

**AT:** Acute Toxicity – O = Oral / D = Dermal / I = Inhalation

**Asp:** Aspiration Hazard

**Skin Corr/ Irrit:** Skin Corrosion / Irritation

Skin Sens: Skin Sensation

Eye Dam/ Irrit: Eye damage / Irritation

**Muta:** Mutagenic **Carc:** Carcinogenic

**Resp**: Respiration Sensitive **Repro**: Reproductive Sensitive

**EH A**: Environmental Hazard Aquatic Acute



**EH C**: Environmental Hazard Aquatic Chronic



### Penny Price Aromatherapy/ Aroma Formulations SAFETY DATA SHEET According to Regulation (EC) No.1272/2008

(iii) Ke	Key Literature references and sources of date.			
IFR	A/IOFI Labelling Manual, REACH Registration Dossier, Supplier Information.			
	ssification and procedure used to derive the classification for mixtures according to Regulation  2) 1272/2008 (CLP):			
Classification	Classification procedure			
according to				
Regulation (E	C)			
1272/2008(CI	.P)			
(v) Releva	nt H-			
statements				
(number and	full			
text):				
(vi) Traini	ng e			
advice:				
(vii) Furth	er er			
information:				
Shelf life	Minimum 12 months when stored in the advised conditions.			
QC requireme	ants			
•	neral product specification. Always satisfy suitability for specific application. Retest after 6 months.			
Disclaimer:	retai product specification. Always satisfy suitability for specific application. Netest after 6 months.			
	ded in this material safety data sheet is meant to represent typical data/analysis for this product and is			
•	best of our knowledge. The data was obtained from current and reliable sources, but is date supplied			
	nty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine			
without wallal	ity, 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

for any given application and buyers should seek to verify their requirements and product use.

improper use of this product. The information provided does not constitute a contract to supply to any specification or