






MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Thyme Essential Oil			
Biological Definition		Extracted from the fresh or partially dried flower tops and leaves of <i>Thymus vulgaris</i>			
INCI Name		Thymus vulgaris Flower/Leaf Oil			
Synonyms & Trade Names		Thyme Oil			
CAS-No	85085-75-2	EC No.	285-397-0	EINECS No.	-
1.2 Relative identified uses of the substance or mixture and uses advised against					
No further information available.					
1.3 Details of the supplier of the safety data sheet					
NTM UK LTD, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR					
1.4 Emergency Tel. No.		+44(0)1603 610883			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture					
The Full Text for all Hazard Statements is displayed in Section 16.					
Classification (EC 1272/2008)					
Physical and Chemical Hazards: Flam. Liq. 3 - H226 Human health: Acute Tox. 4 - H302. Skin Corr. 1B H314 Eye Irrit. 2 - H319. Skin Sens. 1 -H317. Asp. Tox. 1 - H304. Environment: Aquatic Chronic 2 - H411.					
2.2 Label Elements					
Label in accordance with (EC) No 1272/2008					
GHS08	GHS02	GHS09	GHS07	GHS09	
					
Signal Word			Danger		
Contains			-		
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. H319 Causes serious eye irritation. H314 Causes Severe skin burns and eye damage H411 Toxic to aquatic life with long lasting effects.					

Precautionary Statements

P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection. P262 Do not get in eyes, on skin, or on clothing.
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P331 Do NOT induce vomiting.
 P391 Collect spillage.

Supplementary Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P240 Ground/bond container and receiving equipment.
 P233 Keep container tightly closed.
 P242 Use only non-sparking tools.
 P273 Avoid release to the environment.
 P243 Take precautionary measures against static discharge.
 P264 Wash 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.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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 on this label).
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P363 Wash contaminated clothing before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P331 Do NOT induce vomiting.
 P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
 P391 Collect spillage.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P310 Immediately call a POISON CENTER/doctor.
 P405 Store locked up.
 P403+P235 Store in a well - ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
60-100% Thymus Vulgaris Flower/Leaf Oil CAS-No: 84929-51-1 EC No: 201-291-9 Classification (EC 1272/2008) C. R34, Xn. R22-65 Xi. R43 N. R51/53 SkinCorr.1B-H314, Aq. Chr. 2-H411, Asp. Tox. 1- H304 Flam. Liq. 3-H226 Act Tox. 4-H301 Skin Sens. 1-H317

04. FIRST AID MEASURES

4.1	Description of first aid measures
Inhalation	Move the exposed person to fresh air at once. Seek medical attention if any discomfort continues.
Ingestion	Seek medical assistance immediately. Rinse mouth and drink plenty of water. Keep patient under observation.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
4.2	Most important symptoms and effects, both acute and delayed
	No additional data available.
4.3	Indication of any immediate medical attention and special treatment needed
	No additional data available.

05. FIRE-FIGHTING MEASURES

5.1	Extinguishing Media
	Do not use a direct stream of water to extinguish. Use: Powder. Carbon dioxide (CO2).
5.2	Special hazards arising from the product
	Specific hazards: When heated and in case of fire, toxic vapours/gases may be formed.
5.3	Advice for firefighters
	Protective equipment for fire-fighters: Wear Self-contained breathing apparatus. Wear chemical protective clothing.


06. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures
	Wear protective clothing as described in Section 8 of this safety data sheet.
6.2	Environmental Precautions
	Do not discharge into drains, water courses or onto the ground.
6.3	Methods and material for containment and cleaning up.
	Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.
6.4	Reference to other sections
	Refer to Section 8 for information on personal protection equipment.

07. HANDLING AND STORAGE

7.1	Precautions for safe handling
	Avoid spilling, skin and eye contact. Adopt best manual handling considerations when handling, carrying and dispensing.
7.2	Conditions for safe storage, including any incompatibilities
	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame. Store separate from strong oxidising agents.
7.3	Specific end use(s)
	No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters
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8.2	Exposure controls
	Protective Equipment
	
Process Conditions	Safety shower and eye bath.
Engineering Measures	Provide adequate ventilation. Respiratory equipment. Self-contained breathing apparatus.
Respiratory Equipment	Protection not required if good ventilation is maintained. Use inhalation protection in poorly ventilated areas.
Hand Protection	Use suitable protective gloves if risk of skin contact.
Eye Protection	Wear approved safety goggles.
Other Protection	Wear rubber apron.
Hygiene Measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Pale red to red.
Odour	Characteristic, strong
Relative Density @ 20°C	0.870 - 0.89
Flash Point (°C)	55
Refractive Index @ 20°C	1.455 -1.490
Melting Point (°C)	Not determined.
Boiling Point (°C)	Not determined.
Vapour Pressure	Not determined.
Solubility in Water @20°C	Not miscible or difficult to mix.
Auto-ignition temperature (°C)	Not determined.

9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	No additional data available.
10.2 Chemical stability	Stable under the recommended handling and storage conditions.
10.3 Possible hazardous reactions	No additional data available.
10.4 Conditions to Avoid	Avoid heat, sparks and open flames.
10.5 Incompatible materials	Materials to Avoid: Strong oxidising agents.
10.6 Hazardous Decomposition Products	In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Oral - LD50 - 2850g/kg Rat
Skin corrosion / irritation	Caustic effect on skin and mucous membranes.
Serious eye damage / irritation	Strong caustic effect
Respiratory or skin sensitisation	No additional data available.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Photo-toxicity	No additional data available.
Other Information	Harmful: could cause lung damage if swallowed. Could cause chemical burns in mouth, oesophagus and stomach.



12. ECOLOGICAL INFORMATION

12.1 Toxicity	No additional data available.
12.2 Persistence & degradability	No additional data available.
12.3 Bioaccumulation Potential	No additional data available.
12.4 Mobility in soil	No additional data available.
12.5 Results of PBT and vPvB Assessment	No additional data available.
12.6 Other adverse effects	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of in compliance with all local and national regulations.
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14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	2924
UN No. SEA	2924
UN No. AIR	2924
14.2 UN proper shipping name	
FLAMMABLE LIQUID, CORROSIVE, N.O.S	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class:	3+8 FlammableLiquid
ICAO Class/Division:	3+8
IMDG Class:	3+8
Transport Labels	
	
14.4 Packing group	
ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III
14.5 Environmental hazards	
Environmentally Hazardous Substance/Marine Pollutant	
	
14.6 Special precautions for user	
EMS F-E, S-C	
Danger code (Kemler): 38	
Warning: Flammable liquids.	
Tunnel Restriction Code (D/E)	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
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15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
	<p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.</p>
15.2	Chemical safety assessment
	No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>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. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. R10 Flammable. R22 Harmful if swallowed. R34 Causes burns. R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65 Harmful: may cause lung damage if swallowed</p>
Other Information	None.
Revision Date	25/09/2018
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