



Bontoux, Inc.

## SAFETY DATA SHEET

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Version : 4G  
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### Thyme Oil Natural

#### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Thyme Oil Natural  
REACH REGISTRATION NUMBER :  
TYPE OF PRODUCT : Essential Oil  
CHEMICAL NAME : Thymus zygis (Loefl.) L.  
CAS NUMBER : 85085-75-2 / 8007-46-3  
EINECS NUMBER : 285-397-0  
CAS EINECS :  
FEMA NUMBER : 3065  
INCI NAME : THYMUS ZYGIS FLOWER OIL  
IDENTIFICATION OF USAGE : Industrial  
SUPPLIER : BONTOUX, Inc.  
21 Progress  
08820 Edison, New Jersey  
United States of America  
Ph: 908-755-4800  
Fax : 908-755-4844  
24 hours emergency telephone number (CHEMTREC) : 800-424-9300

#### 2. HAZARDS IDENTIFICATIONS

##### CLASSIFICATION ACCORDING TO GHS REGULATION :

Physical hazard : FL 3  
Health Hazards : AH 1,ATO 5,EDI 1,SCI 1B,SS 1  
Environmental Hazards : EH-A 2,EH-C 2




WORDS OF WARNING:

PARTICULAR RISKS :

**DANGER**

H226 Flammable liquid and vapour.  
H303 May be 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.  
H318 Causes serious eye damage.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

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**PRECAUTIONARY STATEMENT  
PREVENTION :**

P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical, ventilating, lighting, communication, equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust, fume, gas, mist, vapours, spray.  
P261 Avoid breathing dust, fume, gas, mist, vapours, spray.  
P264 Wash parts in contact 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.

**PRECAUTIONARY STATEMENT  
RESPONSE :**

P301+P310 IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician.  
P301+P330+P331 IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.  
P302+P352 IF ON SKIN : Wash with plenty of soap and water.  
P303+P361+P353 IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 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.  
P312 Call a POISON CENTER or doctor if you feel unwell.  
P321 Specific treatment.  
P331 Do NOT induce vomiting.  
P333+P313 If skin irritation or rash occurs : Get medical advice.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire : Use CO2 foam, dry chemical for extinction.  
P391 Collect spillage.

**PRECAUTIONARY STATEMENT  
STORAGE :**

P403+P235 Store in well-ventilated place. Keep cool.  
P405 Store locked up.

**PRECAUTIONARY STATEMENT  
DISPOSAL :**

P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.

**PARTICULAR MENTION :**

Not available.

**OTHERS :**

Not available.

**LIMITS OF EXPOSURE :**

Not available.


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### 3. COMPOSITION INFORMATION

INGREDIENT CONTRIBUTING TO THE HAZARD	CONTENT
<b>Thymol (CAS : 89-83-8)</b> 1999/45/CE : C;N;R22;R34;R51/53;S01/02;S26;S28;S36/37/39;S45;S61 GHS : ATO 4 (980), EDI 1, EH-A 2, EH-C 2, SCI 1B	<65%
<b>Para cymène (CAS : 99-87-6)</b> 1999/45/CE : N;Xn;R10;R51/53;R65;S61;S62 GHS : AH 1, ATO 5 (4,750), EH-A 2, EH-C 2, FL 3, SCI 3	<18%
<b>Gamma terpinène (CAS : 99-85-4)</b> 1999/45/CE : Xn;R10;R65;S62 GHS : AH 1, ATO 5 (3,850), FL 3, SCI 3	<10%
<b>Carvacrol (CAS : 499-75-2)</b> 1999/45/CE : XN;R22;R38;R43;S24;S37 GHS : ATO 4 (810), EDI 2A, SCI 2, SS 1	<5%
<b>Linalol (CAS : 78-70-6)</b> 1999/45/CE : Xi;R38;S37 GHS : ATO 5 (2,790), EDI 2A, EH-A 3, FL 4, SCI 2	<5%
<b>Beta caryophyllène (CAS : 87-44-5)</b> 1999/45/CE : Xn;R65;S62 GHS : AH 1, SCI 3	<2%
<b>Bornéol (CAS : 507-70-0)</b> 1999/45/CE : F;R11;S09;S26 GHS : FL 2, SCI 3	<2%
<b>Limonène (CAS : 138-86-3)</b> 1999/45/CE : N;XN;R10;R38;R43;R50/53;R65;S02;S24;S37;S60;S61;S62 GHS : AH 1, EH-A 1, EH-C 1, FL 3, SCI 2, SS 1	<2%
<b>Alpha terpinène (CAS : 99-86-5)</b> 1999/45/CE : N;Xn;R10;R22;R51/53;R65;S61;S62 GHS : AH 1, ATO 4 (1,680), EH-A 2, EH-C 2, FL 3, SCI 3	<2%
<b>Myrcène (CAS : 123-35-3)</b> 1999/45/CE : XN;R10;R38;R65;S62 GHS : AH 1, EDI 2A, FL 3, SCI 2	<2%
<b>Terpinen-1-ol 4 (CAS : 562-74-3)</b> 1999/45/CE : Xn;R22;R38;S36/37 GHS : ATD 5 (2,500), ATO 4 (1,300), EDI 2A, EH-A 3, FL 4, SCI 2	<1%
<b>Octen-1 ol-3 (CAS : 3391-86-4)</b> 1999/45/CE : N;XN;R20/22;R36/38;R50;S23;S26;S36/37;S57;S61 GHS : ATD 5 (3,300), ATI 4 (4), ATO 4 (340), EDI 2A, EH-A 1, FL 4, SCI 2	<1%
<b>Camphène (CAS : 79-92-5)</b> 1999/45/CE : F;N;Xi;R11;R36;R50/53;S09;S16;S26;S61 GHS : EDI 2A, EH-A 1, EH-C 1, FL 2, SCI 3	<1%

### 4. FIRST-AID MEASURES

INGESTION :	Do not try to vomit. Rinse mouth. Consult a doctor.
EYE CONTACT :	Wash immediately and abundantly the eyes with a good running water at low pressure. Consult an ophthalmologist.
SKIN CONTACT :	Sprinkle abundantly with water during at least 15 minutes.
INHALATION :	Remove victim to fresh air

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## 5. FIRE FIGHTING

EXTINGUISHING MEDIA : *SUITABLE* : CO2 foam, dry chemical.  
*NON SUITABLE* : Water.

SPECIFIC METHODS OF FIRE FIGHTING :  
None.

SPECIAL EQUIPMENT FOR THE PROTECTION OF FIRE FIGHTERS :  
No.

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : Avoid all contact with eyes and mucous.

ENVIRONNEMENTAL PRECAUTIONS : Don't throw it in sewer nor in natural environment.

METHODS FOR CLEANING-UP : Recover in a tight container.  
Wash with plenty of water after complete elimination of the product.

## 7. HANDLING AND SORAGE

HANDLING : Avoid contact with eyes and mucous.

STORAGE : Keep away from humidity in a fresh place. Keep container closed after using.

OTHER : See Section 8.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION : Assure a good ventilation of work place.

HAND PROTECTION : Plastic or synthetic rubber impermeable gloves.

EYE PROTECTION : Goggles giving complete protection to eyes. Eyewash bottle with clean water.

SKIN AND BODY PROTECTION : Clothes for chemical protection to avoid contact.

INGESTION : Do not eat, drink and smoke while using

INDUSTRIAL HYGIENE : Provide an extraction or global ventilation of the work place to reduce concentrations of the steams.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM : Liquid

COLOR : Colorless

ODOR : Sweet, warm, herbaceous, spicy, aromatic

ODOR THRESHOLD : Data not found

pH : Data not found

MELTING POINT : Data not found



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BOILING POINT :	Data not found
FLASHPOINT (closed cup) :	55 °C / 131 °F
EVAPORATION RATE:	Data not found
FLAMMABILITY :	Data not found
EXPLOSIVE LIMITS :	Data not found
VAPOR PRESSURE :	Data not found
VAPOR DENSITY :	Data not found
SPECIFIC GRAVITY :	0.92
SOLUBILITY IN WATER :	Insoluble
Log K (n-octanol/water) :	Data not found
AUTOIGNITION TEMP. :	Data not found
DECOMPOSITION TEMP. :	Data not found
VISCOSITY :	Data not found
EXPLOSIVE PROPRIETIES:	Data not found
OXIDIZING PROPRIETIES:	Data not found
OTHER DATA :	Data not found

### 10. STABILITY AND REACTIVITY

REACTIVITY :	No data available.
CHEMICAL STABILITY :	No data available.
POSSIBILITY OF HAZARDOUS REACTION :	None in normal conditions.
CONDITIONS TO AVOID :	Excessive heat.
INCOMPATIBLE MATERIALS:	Strongly oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS :	None in normal conditions.
OTHERS :	None.

### 11. TOXICOLOGICAL INFORMATION

INGESTION :	Acute toxicity, oral DL50 (mg/Kg) : 2,840
SKIN CONTACT	Can induce irritations.
EYE CONTACT :	Serious eye damage/eye irritation
INHALATION :	No specific hazard in normal use.
ASPIRATION :	Aspiration hazard
SPECIFIC EFFECTS :	No information available.

### 12. ECOLOGICAL INFORMATION

TOXICITY :	See Section 2
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PERSISTENCE / DEGRADABILITY : No information available.  
BIOACCUMULATION POTENTIAL : No information available.  
RESULTS OF PBT AND vPvB ASSESSMENT : No information available.  
MOBILITY IN SOIL : No information available.  
WGK : 2  
OTHER ADVERSE EFFECTS : Not known.

### 13. DISPOSAL CONSIDERATION

To comply with the regulations and prefectoral orders in use.  
Throwing out forbidden. Packaging must be well emptied

### 14. TRANSPORT INFORMATION MEASURES

#### RID / ADR


CLASS : 3  
SUBSIDIARY RISK : 8  
UN NUMBER : UN 2924  
PACKING GROUP : III  
TUNNEL CODE : (D/E)

#### IMCO / IMDG

CLASS : 3  
SUBSIDIARY RISK : 8  
UN NUMBER : UN 2924  
PACKING GROUP : III  
EmFS : F-E, S-C

#### OACI / IATA

CLASS : 3  
SUBSIDIARY RISK : 8  
UN NUMBER : UN 2924  
PACKING GROUP : III  
TRAVELLER AIRPLANE PACKING INSTRUCTION : 354  
TRAVELLER AIRPLANE MAXIMUM QUANTITY : 5 L  
CARGO AIRPLANE PACKING INSTRUCTION : 365  
CARGO AIRPLANE MAXIMUM QUANTITY : 60 L

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**Labelling according to RID / ADR, IMCO / IMDG, OACI / IATA**

SHIPPING NAME : UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (DILLSEED OIL)



ENVIRONMENTALLY HAZARDOUS

**15. REGULATORY INFORMATION**

**LABELLING ACCORDING TO GHS REGULATION :**

Physical hazard : FL 3  
 Health Hazards : AH 1,ATO 5,EDI 1,SCI 1B,SS 1  
 Environmental Hazards : EH-A 2,EH-C 2



WORDS OF WARNING:

DANGER

PARTICULAR RISKS :

H226 Flammable liquid and vapour.  
 H303 May be 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.  
 H318 Causes serious eye damage.  
 H401 Toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT PREVENTION :

P273 Avoid release to the environment.  
 P280 Wear protective gloves, protective clothing, eye protection, face protection.

PRECAUTIONARY STATEMENT RESPONSE :

P301+P310 IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician.  
 P302+P352 IF ON SKIN : Wash with plenty of soap and water.  
 P304+P340 IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338 IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

PARTICULAR MENTION :

Not available.

OTHERS :

Not available.

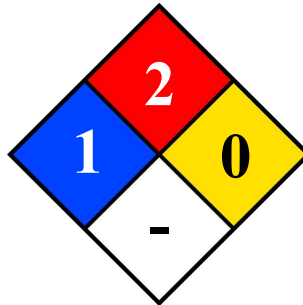
LIMITS OF EXPOSURE :

Not available.

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**OTHER CLASSIFICATIONS :**

DOT CLASSIFICATION : -  
 NFPA CLASSIFICATION :



NIOSH : Not available  
 THRESHOLD LIMIT VALUE - TLV : Not available  
 OSHA PERMISSIBLE EXPOSURE LIMIT - PEL : Not available  
 IAS THE SUBSTANCE BEEN LISTED AS CARCINOGEN : Not available  
 SARA 313 : Not available

**16. OTHER INFORMATION**

**OTHER INVENTORIES**

Country	Nom inventaire	Datas	Number
AUSTRALIA	AICS	Listé	
EUROPE	COE	Listé	456n
CANADA	DSL	Listé	
TAIWAN	ECN	Listé	
JAPAN	ENCS	Listé	
USA	FDA	Listé	182.20
CHINA	IESC	Listé	1407
JAPAN	ISHL	Listé	18437
SOUTH KOREA	KECI	Listé	KE-27297
NEW ZEALAND	NZIoC	Listé	
THE PHILIPPINES	PICCS	Listé	
USA	TSCA	Listé	

The content and format of this safety data sheet are in accordance with EC Regulation No. 1907/2006 of the European Parliament and Council



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Respect safety measures usually applied during the production of perfumery products.

This data sheet completes the technical use notice, but doesn't replace it. These information are based on our actual knowledge for the above mentioned product at the edition date of this data sheet. They are given in good faith.

In any case user is not exempted to know and apply all texts which regulate this activity. He will take under his own responsibility the precautions for the utilisation of product he knows. Users should be aware of the other purposes than those for which it is concerned.