



## SAFETY DATA SHEET PEPPERMINT OIL

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name	PEPPERMINT OIL
Chemical name	DEFINITION/BOTANICAL ORIGIN: Mentha arvensis Leaf Oil is obtained by steam distillation from the leaves of Mentha arvensis L., Labiatae.
Synonyms, Trade Names	INCI Name: Mentha arvensis Leaf Oil
CAS-No.	68917-18-0

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

Supplier	INYI Biotechnology Co., Ltd. 3F., No.162, Sec. 1, Tanfu Rd., Tanzih Dist., Taichung City 42753, Taiwan (R.O.C.)
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Contact Person	Regulatory Manager
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#### 1.4. Emergency telephone number

+886 4 25343919 Office Hours are 9-5 weekdays only

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)	Physical and Chemical Hazards	Not classified.
	Human health	Skin Irrit. 2 - H315;Skin Sens. 1 - H317
	Environment	Aquatic Chronic 2 - H411
Classification (1999/45/EEC)	Xi;R38. R43. N;R51/53.	
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.		

#### 2.2. Label elements

Contains	LIMONENE PINENES
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Label In Accordance With (EC) No. 1272/2008



Signal Word	Warning
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Hazard Statements	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	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.
	P501	Dispose of contents/container in accordance with local regulations.
		Dispose of contents/container in accordance with national regulations.

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## Supplementary Precautionary Statements

P272	Contaminated work clothing should not be allowed out of the workplace.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P332+313	If skin irritation occurs: Get medical advice/attention.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.

## 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

CARYOPHYLLENE		1-5%
CAS-No.: 87-44-5	EC No.: 201-746-1	
Classification (EC 1272/2008) Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65.	
LIMONENE		1-5%
CAS-No.: 138-86-3	EC No.: 205-341-0	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R65. Xi;R38. N;R50/53. R10,R43.	
MENTHOFURAN		1-5%
CAS-No.: 494-90-6	EC No.: 207-795-5	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R22. Xi;R38. N;R51/53.	
MENTHOLS		30-60%
CAS-No.: 89-78-1	EC No.: 201-939-0	
Classification (EC 1272/2008) Skin Irrit. 2 - H315	Classification (67/548/EEC) Xi;R38.	

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MENTHONE		10-30%
CAS-No.: 89-80-5	EC No.: 201-941-1	
Classification (EC 1272/2008) Aquatic Chronic 3 - H412	Classification (67/548/EEC) R52/53.	
MENTHYL ACETATE		5-10%
CAS-No.: 89-48-5	EC No.: 201-911-8	
Classification (EC 1272/2008) Aquatic Chronic 2 - H411	Classification (67/548/EEC) N;R51/53.	
PINENES		1-5%
CAS-No.:	EC No.:	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R65. N;R50/53. R43,R10.	
PULEGONES		1-5%
CAS-No.: 89-82-7	EC No.: 201-943-2	
Classification (EC 1272/2008) Acute Tox. 4 - H302	Classification (67/548/EEC) Xn;R22.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

CAS-No. 68917-18-0

### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of first aid measures**

General information

Remove affected person from source of contamination. Perform artificial respiration if breathing has stopped.

Inhalation

Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

If necessary, rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

Skin contact

If necessary remove contaminated clothing and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

#### **4.2. Most important symptoms and effects, both acute and delayed**

#### **4.3. Indication of any immediate medical attention and special treatment needed**

No specific first aid measures noted.

### SECTION 5: FIREFIGHTING MEASURES

## **5.1. Extinguishing media**

Extinguishing media

Fire can be extinguished using: Foam, carbon dioxide or dry powder.

## **5.2. Special hazards arising from the substance or mixture**

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

When heated and in case of fire, toxic vapours/gases may be formed.

## **5.3. Advice for firefighters**

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.

### **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, damp, non-combustible material, then flush area with water. Shovel into dry containers. Cover and move the containers. Flush the area with water.

### **6.4. Reference to other sections**

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. 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 away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Storage Class

Unspecified storage.

### **7.3. Specific end use(s)**

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

### **8.2. Exposure controls**

Protective equipment



Engineering measures

Provide adequate ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash.

Eye protection

If risk of splashing, wear safety goggles or face shield.

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## Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

## Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## Skin protection

Wear apron or protective clothing in case of splashes.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Mobile Liquid
Colour	Colourless. to Yellow. Green.
Odour	Characteristic.
Relative density	0.875 - 0.912 @ 20°C
Flash point	75

### 9.2. Other information

Refractive Index	1.450 - 1.470 @ 20°C
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxicological information

See section-2

General information

No specific health warnings noted.

Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Ingestion

No specific health warnings noted. No harmful effects expected in amounts likely to be ingested by accident.

Skin contact

No specific health warnings noted.

Eye contact

Spray and vapour in the eyes may cause irritation and smarting.

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## Health Warnings

No specific health warnings noted.

## Medical Symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

## Medical Considerations

Persons with rash are directed to skin expert for examination of allergic eczema.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Refer to section-2

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste is suitable for incineration.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082

### 14.2. UN proper shipping name

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PEPPERMINT OIL )

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	9
ADR/RID/ADN Class	Class 9: Miscellaneous dangerous substances and articles.
ADR Label No.	9
IMDG Class	9
ICAO Class/Division	9
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-A, S-F
Emergency Action Code	•3Z
Hazard No. (ADR)	90
Tunnel Restriction Code	(E)

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

### SECTION 15: REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

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.

#### 15.2. Chemical Safety Assessment

### SECTION 16: OTHER INFORMATION

General information

Shelf life: 36 months when stored within advised conditions.

Issued By Regulatory Manager

Risk Phrases In Full

R10

R22

R52/53

Flammable.

Harmful if swallowed.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65

Harmful: may cause lung damage if swallowed.

R38

Irritating to skin.

R43

May cause sensitisation by skin contact.

R51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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### Hazard Statements In Full

H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H412	Harmful to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.