## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifiers
- **Product Code**: UIL101931
- **Product Name**: MENTHA PIPERITA OIL
- **CAS No**: 8006-90-4
- **Index No.**: N/A
- **CLP Reference No.**: N/A
- **REACH Pre-Registration No.**: N/A
- **EC No.**: 282-015-4
- **FEMA No.**: 2848

### 1.2 Use
- Use in Fragrance and Flavour Application

### 1.3 Company/Undertaking Identification
- **Ultra International Ltd.**
  - 64 / 1, Site-IV, Industrial Area, Sahibabad - 201010 (U.P.) India
  - Tel : +91-120 - 4388500
  - Fax : +91-120 - 437 4000 / 437 4444
  - E-mail : ultra@ultraintl.com
  - Website : www.ultrainternational.com

### 1.4 Emergency Telephone
- **+91-9810008844**

## 2. HAZARD IDENTIFICATION

### 2.1 Classification of the substance/preparation

**HAZARD CATEGORY**

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS classification]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Liquid 4</td>
</tr>
<tr>
<td>Acute Toxicity: Oral 5</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation 2</td>
</tr>
<tr>
<td>Skin Sensitization 1</td>
</tr>
<tr>
<td>Aquatic Acute 2</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
</tr>
</tbody>
</table>

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

- **R38** IRRITATING TO SKIN
- **R43** MAY CAUSE SENSITIZATION BY SKIN CONTACT
- **R51/53** TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

### 2.2 Label Elements

**Label elements according to Regulation (EC) No. 1272/2008 (Substance)/Directive 67/548/EEC**

**Hazard Pictogram / Symbol:**
- GHS 07
- GHS 09

**Signal word / Indication(s) of danger:**
- WARNING

**Hazard Pictogram / Symbol:**
- N DANGEROUS FOR THE ENVIRONMENT
- Xi IRRITANT

**Hazard Statements**

- **H227** COMBUSTIBLE LIQUID
- **H303** MAY BE HARMFUL IF SWALLOWED
- **H315** CAUSE SKIN IRRITATION
- **H317** MAY CAUSE AN ALLERGIC SKIN REACTION
- **H401** CAUSES SERIOUS EYE DAMAGE
- **H411** TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS
Precautionary Statements

P210 : KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. – NO SMOKING
P261 : AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY
P272 : CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE
P 273 : AVOID RELEASE TO THE ENVIRONMENT
P 280 : WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
P302+352 : IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER
P333+313 : IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
P391 : COLLECT SPILLAGE
P403+235 : STORE IN A WELL-VENTILATED PLACE. KEEP COOL
P 501 : DISPOSE OF CONTAINERS TO… (IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATION)

3. COMPOSITION / INFORMATION OF INGREDIENTS

Substance Name : MENTHA PIPERITA OIL
Substance Description : This product is 100% essential oil.
Hazardous components : MENTHONE (CAS No 89-80-5) R52/53
                      ISOMENTHONE (CAS No 491-07-6) R52/53
                      L-MENTHOL (CAS No 89-78-1) XI R38
                      MENTHA FURAN (CAS No 494-90-6) Xn N, R22, R38, R51/53
                      Peppermint, ext.
                      Mentha piperita Oil
                      N/A

CAS No. : 8006-90-4
EC No. : 282-015-4
Botanical Name : Mentha piperita L.
Stabilizers : N/A
Hazard Impurities : N/A
Synonyms : Peppermint, ext.
Index No. : N/A
CLP Reference No. : N/A
REACH Pre-Registration No. : N/A

4. FIRST AID MEASURES

4.1 Description of First Aid Measures
    Eye Contact : Remove contact lenses if worn. Flush immediately with plenty of water.
    Skin Contact : Remove contaminated clothing. Wash affected area with mild soap and water.
    Inhalation : Remove affected person to fresh air. If discomfort persists, consult physician.
    Swallowing : Seek immediate medical care.

4.2 Indication of any immediate medical attention and special treatment method
    IF SWALLOWED: Immediately call a POISON CENTER or Doctor/Physician.
    IF ON SKIN (or hair): Remove /take off immediately all contaminated clothing. Rinse skin with water /shower.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media
    - Suitable : Carbon Dioxide; Dry Chemical; Universal Type Foam.
    - Unsuitable : Water spray; others not established.

5.2 Special hazards arising from substance
    Combustible liquid Possibility of development of hazardous gases or vapors in event of fire Following may develop: CO and CO2

5.3 Advice for fire fighters
    Do not stay in dangerous zone without self protective clothing and breathing apparatus Spray extinguishing media directly into base of fire Cool containers exposed to flame with water Prevent fire fighting water entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures
    Wear personal protective clothing. Keep away unprotected individuals. Eliminate source of ignition. Keep area well ventilated and isolate the spill.

6.2 Environmental precautions
    Prevent entry into drains, ground/surface water or sewerage system.

6.3 Methods and material for containment and cleaning up
    Pick up with absorbents material (Sand) or with pump for large spills.

6.4 Reference to other sections
    Refer to Section 7, 8 & 13
7. HANDLING AND STORAGE

7.1 Precautions for safe handling
- Measures to prevent fire
  Keep away from heat/sparks/open flames/hot surfaces. - No smoking
  Use explosion proof electrical/ ventilating/lighting/equipment etc.
- Measures to prevent aerosols and dust generation
  Ensure good ventilation at workplaces
- Measures to protect the environment
  Prevent entry into drains, ground/surface water or sewage system.
- General Occupational hygiene
  Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe use, including any incompatibilities
- Information on storage conditions
  Should be stored in cool, dark, dry, well ventilated places in full, tightly sealed containers protected from light & source of ignition
- Information on packing materials
  Should be packed in Aluminium, HDPE Food Grade Cans, MS Coated Drums, and GI Drums, Avoid long contact with Iron
- Requirements for storage rooms and vessels
  Should be stored in suitable containers (lines inside) e.g. MS Coated Drums, GI Drums etc. No special requirement for storage rooms.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls

8.1 Appropriate engineering controls
- Engineering controls should be used as the primary means to control exposures

8.2 Personal protective equipments

<table>
<thead>
<tr>
<th>Skin protection</th>
<th>Eye protection</th>
<th>Body protection</th>
<th>Respiratory protection</th>
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<tbody>
<tr>
<td>Safety gloves</td>
<td>tight safety goggles</td>
<td>Protective clothing</td>
<td>Dust mask</td>
</tr>
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</table>

8.3 Environmental exposure controls
- Prevent entry into drains, ground/surface water or sewage system.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance
  - Physical state: Liquid
  - Colour: Colorless to pale yellow
  - Odour: Characteristic, sweet minty, herbal
  - Odour threshold: High
  - pH: N/A
  - Melting point °C: N/A
  - Boiling point °C: N/A
  - Flash point (Closed Cup) °C: 68.33°C
  - Vapour pressure: 0.1 mm Hg at 20°C
  - Vapour density: N/A
  - Specific gravity/relative density: 0.900 – 0.916 @ 25°C
  - Refractive index: 1.457 – 1.467 @ 20°C
  - Partition coefficient: N/A
  - Surface tension: N/A
  - Solubility
    - Water: Insoluble
    - Alcohol: 1:5 in 70% alcohol
  - Viscosity: Not estimated
10. STABILITY AND REACTIVITY

10.1 Reactivity
Not reactive, stable at room temperature.

10.2 Chemical stability
Stable

10.3 Possibility of hazardous reactions
Reactions with strong oxidizers

10.4 Conditions to avoid
No decomposition if stored and handled properly

10.5 Incompatible materials
Avoid strong acids strong bases and all oxidising agents

10.6 Hazardous decomposition products
No dangerous decomposition products expected by intended use

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity oral (LD50)
Not Determined

11.2 Acute toxicity inhalation
Not Determined

11.3 Acute toxicity dermal (LD50)
Not Determined

11.4 Skin Irritation/Corrosion
N/A

11.5 Respiratory sensitization
N/A

11.6 Skin sensitization
N/A

11.7 CMR Effects
Carcinogenicity
N/A
Mutagenicity
N/A
Toxic to reproduction
N/A

11.8 Eye irritation / Corrosion
N/A

11.9 Exposure limits
There is a blanket recommendation of 10 mg/m3 for inspirable dusts or mists when limits have not otherwise been established.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
PNEC Oral : Not Estimated
NOAEL : Not Estimated
EC50 (48hrs) : Not Estimated
LC50 (96hrs) : Not Estimated

12.2 Persistence and degradability
Readily biodegradable in water

12.3 Mobility in Soil
Low mobility

12.4 Results of PBT and vPvB assessment
N/A

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods
Product/packaging disposal
Handle in accordance with official provisions

Waste treatment options
Recycling is preferred to disposal or burning

Waste code /Waste designations according to EWC/AVV
15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

13.2 Recommendations
Empty contaminated packing thoroughly as they may be recycled
Moistened solids to be disposed off adhering to necessary technical regulations after consulting concerned authorities
14.1 Land Transport (ADR/RID/GGVSE)
UN Number 3082
DG Class 9
Packing Group III
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Classification Code 3Y
Hazard Labels

14.2 Sea Transport (IMDG-Code/GGVSee)
UN Number 3082
DG Class 9
Packing Group III
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Marine Pollutant Yes
Hazard Labels

14.3 Air Transport (ICAO-IAT/DGR)
UN Number 3082
DG Class 9
Packing Group III
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.

14.4 Special precautions for users
Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse. Prevent entry into drains, ground/surface water or sewerage system.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
N/A

14.6 Other Information
Custom Tariff Code : 3301 24 0000
EmS Code : -

15. REGULATORY INFORMATION
EU regulations:
The product has been classified and labelled according to criteria provided in Directive 67/548/EEC and 1272/2008/EC, and following the recommendations of EFFA (European Flavor and Fragrance Association).
Other Regulations: German Regulation (VwVws)
Water Hazard Class : 2

16. OTHER INFORMATION
16.1 Changes to previous version
Changes applicable according to regulation (EC) No 1907/2006 (REACH)

16.2 Abbreviations and acronyms
GHS : Globally Harmonized System of Classification and labeling of Chemicals
CAS : Chemical abstract Service (division of American Chemical society)
CLP : Classification, Labeling and Packaging
LD50 : Lethal concentration, 50 percent
EC50 : Effective concentration, 50 percent
PNEC : Predicted No Effect Concentration
NOAEL : No Observed Adverse Effect Levels
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
RID : Regulations Concerning the International Transport of Dangerous Goods by Rail
16.4 Wording of relevant hazard statement and/or precautionary statements referred to in section 2 to 15

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**Safety Phrases**

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<td>S37</td>
<td>WEAR SUITABLE GLOVES</td>
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**Hazard Statements**

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16.5 Training advice appropriate for workers

N/A

16.6 Quality Declaration

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.