

Material Safety Data Sheet Myrtle Oil

SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name : Myrtle Oil
Molecular Formula : Not applicable
Molecular Weight : Not applicable
CAS No. : 8008-46-6

SECTION: 1.2 COMPANY IDENTIFICATION

Company Name: Indenta Chemicals (India) Pvt. Ltd.

Address: 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Myrtle Oil	8008-46-6	100

Toxicological Data on Ingredients: No Data Available

SECTION 3: HAZARD IDENTIFICATION

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aspiration toxicity Category 1 - (H304)

Skin corrosion/irritation Category 2 - (H315)

Serious eye damage/eye irritation Category 2 - (H319)

Skin sensitisation Category 1 - (H317)

Chronic aquatic toxicity Category 1 - (H410)

Flammable liquids Category 3 - (H226)

3.2 Label elements

Labelling according Regulation (EC) No 1272/2008



Pictogram

Signal word Danger

Hazard statement(s)

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

Indenta Chemicals (India) Pvt. Ltd.

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Unit 2: Building No. 73, Gala No. 7, Indian Corporation Compound, Village Gundavli, Mankoli Naka, Bhiwandi, Thane - 421302



H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H410	Very toxic to aquatic life with long lasting effects
H226	Flammable liquid and vapour.

Precautionary statement(s)

P280	Wear eye protection/ face protection
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor
P331	Do NOT induce vomiting
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Supplemental Hazard Statements none

3.3 Other hazards - none

SECTION 4: FIRST AID MEASURES

4.1 Description of first-aid measures

If inhaled

Remove to fresh air.

In case of skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.

If swallowed

Clean mouth with water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 3.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing media

Suitable extinguishing media

Use CO2, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

5.3 Advice for firefighters

Special protective equipment for Wear self-contained breathing apparatus and protective suit. Use personal protective fire-fighters equipment as required.

5.4 Further information

No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

For emergency responders

For personal protection see section 8.

6.2 Environmental precautions

See Section 12 for additional ecological information.

6.3 Methods and materials for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas

Use personal protection recommended in Section 8

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Limonene 5989-27-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	TWA: 5 ppm TWA: 28 mg/m ³ H*
Beta Pinene 127-91-3	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
Alpha Pinene 80-56-8	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
Terpinolene 586-62-9	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
l-Limonene 586-62-9	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	-
Beta Pinene 127-91-3	-	TWA: 20 ppm	-	-	-
Alpha Pinene 80-56-8	-	TWA: 20 ppm	-	-	-

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Limonene 5989-27-5	-	TWA: 7 ppm TWA: 40 mg/m ³ STEL: 14 ppm STEL: 80 mg/m ³	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³	-
Beta Pinene 127-91-3	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³	-
Alpha Pinene 80-56-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³	-
l-Limonene 5989-54-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³	-

8.2 Exposure controls

Protective equipment



Process Conditions

No additional data available.

Engineering Measures

Provide adequate ventilation.

Respiratory Equipment

None under normal use conditions.

Hand Protection

Wear protective gloves.

Eye Protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Other Protection

No additional data available.

Hygiene Measures

Wear suitable protective clothing. Regular cleaning of equipment, work area and clothing is recommended.

Personal Protection

No additional data available.

Skin Protection

No additional data available.

Environmental Exposure

Environmental exposure controls Do not allow into any sewer, on the ground or into

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Clear mobile liquid, yellow/green - orange brown Color: Yellow/Green – Orange/Brown.
b) Odor	Characteristic.
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	48°C
h) Evaporation rate	No data available
i) Flammability (solid,gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	0.875 – 0.893 at 20°C
n) Water solubility	Insoluble in water.
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	Product is not self-igniting.
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames and sparks

Exposure to air or moisture over prolonged periods.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

None under normal use conditions.

In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limonene		>5 g/kg (Rabbit)	
Eugenol	=1930 mg/kg (Rat)		
Terpineol	=2900 mg/kg (Rat)		
1,8-Epoxy-p-menthane	=2480 mg/kg (Rat)		
Alpha Pinene	= 3700 mg/kg (Rat)	>5000 mg/kg (Rat)	
3,7-Dimethylocta-1,6-dien-3-ol	=2790 mg/kg (Rat)		
Linalyl Acetate	=13934 mg/kg (Rat)		
Geranyl Acetate	=6330 mg/kg (Rat)		
Terpinolene	=4390 mg/kg (Rat)		
Geraniol	=3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Methyl eugenol	=810 mg/kg (Rat)		

Skin corrosion/irritation

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

gas 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

No data available

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Limonene	-	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	-
3,7-Dimethylocta-1,6-dien-3-ol	88.3: 96 h Desmodemus subspicatus mg/L	-	20: 48 h Daphnia magna mg/L EC50 EC50

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Chemical Name	Partition coefficient
Alpha Pinene	4.1
3,7-Dimethylocta-1,6-dien-3-ol	3.1

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: 1169 IMDG: 1169 IATA: 1169

14.2 UN proper shipping name

ADR/RID: CHLOROPHENOLS, SOLID
 IMDG: CHLOROPHENOLS, SOLID
 IATA: Chlorophenols, solid

14.3 Transport hazard class(es)

ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packaging group

ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: yes IATA: no

14.6 Special precautions for user

No data available

SECTION 15: OTHER 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).

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.

15.2 Chemical Safety Assessment

Chemical Name	French RG number	Title
Limonene 5989-27-5	RG 84	-
I-Limonene 5989-54-8	RG 84	-

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

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