

MATERIAL SAFETY DATA SHEET

| <b>1. Substance and Company Information</b>  |   |                              |                |            |          |
|--|---|------------------------------|----------------|------------|----------|
| Product name   |   | LAVENDER OIL                 |                |            |          |
| Company  |   | Penny Price Aromatherapy Ltd |                |            |          |
|  |   | The Stables                  |                |            |          |
|  |   | 41 Leicester Road            |                |            |          |
|  |   | Hinckley                     |                |            |          |
|  |   | Leicestershire LE10 1LW      |                |            |          |
| Emergency Telephone Number   |   | 00 44 (0) 1455 251020        |                |            |          |
| <b>2. Composition/Ingredient Information</b>   |   |                              |                |            |          |
| The volatile oil is obtained by the steam distillation of the freshly cut flowering herb <i>lavandula angustifolia</i> |   |                              |                |            |          |
| H-No:  | 3301.23   | CAS No:                      | 8000-28-0      | Status:    | Natural  |
| CoE No:  | 257   | FEMA                         | 2622           | Additives: | None     |
| FDA  | § 182.20  | IFRA                         | Not restricted | RTECS:     | -        |
| RIFM   | Monograph   | EINECS:                      | 289-995-2      | FCCIV:     | official |
| INCI name  | Lavendula angustifolia  |                              |                |            |          |
| <b>3. Hazards Identification</b>   |   |                              |                |            |          |
| Concentrated product. Do not ingest. Observe good housekeeping procedures  |   |                              |                |            |          |
| <b>4. First Aid Procedure</b>  |   |                              |                |            |          |
| Inhalation   | Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.   |                              |                |            |          |
| Eye contact  | Rinse immediately with plenty of cold water for at least 5 minutes. Contact a doctor is symptoms persist.   |                              |                |            |          |
| Skin contact   | Remove contaminated clothes. Wash thoroughly soap and water, flush with plenty of water. If irritation persists seek medical attention.   |                              |                |            |          |
| Ingestion  | Rinse mouth out with soap and water. Seek medical advise at once.   |                              |                |            |          |
| Other  | When assessing action take Risk and Safety Phrases (section 15) in to account   |                              |                |            |          |
| <b>5. Fire fighting measures</b>   |   |                              |                |            |          |
| Suitable extinguishing media   | Use CO2 dry powder or foam type of extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.  |                              |                |            |          |
| Special measures   | Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus and protective clothing  |                              |                |            |          |
| Extinguishing procedures   | Closed containers may build up pressure when exposed when exposed to heat and should be cooled with water spray   |                              |                |            |          |
| <b>6 Accidental release measures</b>   |   |                              |                |            |          |
| Personal precautions   | Avoid inhalation and direct contact with skin and eyes. Use individual protective equipment (safety glasses, waterproof boots, suitable protective clothing) in case of major spillages.  |                              |                |            |          |
| Environmental precautions  | Keep away from drains, soils, surface and ground waters   |                              |                |            |          |
| Methods for cleaning up  | Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic material, or sweep up and remove to an approved disposal container. Observe state federal and local disposal regulations. |                              |                |            |          |
| <b>7. Handling and storage</b>   |   |                              |                |            |          |
| Handling   | Apply good manufacturing practice and industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene and do not eat, drink or smoke whilst handling. Avoid static discharge                                       |                              |                |            |          |
| Storage  | Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum.  |                              |                |            |          |
| Fire protection  | Keep away from ignition courses and naked flames. Take precautions to avoid static discharge in working areas.  |                              |                |            |          |
| <b>8. Exposure controls/Personal protection</b>  |   |                              |                |            |          |
| Respiratory protection   | Avoid breathing product vapour. Apply local ventilation where possible.   |                              |                |            |          |
| Ventilation  | Ensure good ventilation of working area   |                              |                |            |          |
| Hand protection  | Avoid all skin contact. Use chemically resistant gloves if required.  |                              |                |            |          |
| Eye protection   | Use safety glasses  |                              |                |            |          |
| Work/hygiene practices   | Wash hands with soap and water after handling.  |                              |                |            |          |
| <b>9. Physical and chemical properties</b>   |   |                              |                |            |          |
| Colour   | Pale yellow mobile liquid   |                              |                |            |          |
| Appearance   | Clear mobile liquid   |                              |                |            |          |
| Odour  | Fresh, sweet, floral, herbaceous aroma  |                              |                |            |          |
| Flash point °C   | 71  |                              |                |            |          |



|  |   |
|--|---|
| Specific gravity $d_{20}^{20}$   | 0.8700 – 0.8970   |
| Optical rotation @ 20°C  | -8% to + 2%   |
| Refractive index @ 20°C  | 1.4450 to 1.4660  |
| Solubility in 75% ethanol @ 20°C   | 1+2   |
| Solubility in vegetable oils   | Soluble   |
| Solubility in water  | Slight  |
| Typical analysis of major components   | Pinene, camphene, myrcene, 3-carene, limonene, cis-ocimene, 3-octanone, trans-ocimene, 1-octen-3-ol, 3-octanol, terpinolenel, linalool oxides, 1-octen-3-yl acetate, linalool, hexyl isobutyrate, galbanolene, camphor, terpen-4-ol, lavandulol, borneol, terpicol, linalyl acetate, nerol, bornyl acetate, lavandulyl acetate, geraniol, santalene, neryl acetate, caryophyllene, geranyl acetate, trans-b-farnescene, geranacrene D, a-bisobolene, cadinene, caryophyllene oxide, cadinene and others |
| <b>10. Stability and reactivity</b>  |   |
| Reactivity   | It presents no significant reactivity hazards, by itself or in contact with stron acids, alkalis or oxidising agents.   |
| Decomposition  | Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.  |
| <b>11. Toxicological information</b>   |   |
| Acute oral LD <sub>50</sub> : >5gm/kg Dermal LD <sub>50</sub> : >5g/kg.<br>Opdyke (1976) found lavender oil non-sensitising and non-irritating to skin with no potential human phototoxic effects  |   |
| <b>12. Ecological information</b>  |   |
| Biodegradability   | Data not available  |
| Precautions  | Prevent surface contamination of soil, ground and surface water.  |
| <b>13. Disposal considerations</b>   |   |
| Waste material   | Avoid disposing to a drainage system and into the environment. Seek expert advice.  |
| <b>14. Transport information</b>   |   |
| Road (ADR/RID)   | -   |
| Air (IATA/ICAO)  | -   |
| Sea (IMDG)   | -   |
| UN1993   | -   |
| <b>15 Regulatory information</b>   |   |
| Hazards  | -   |
| Symbols  | -   |
| Risk phases  | -   |
| Safety phases  | -   |
| <b>16. Other information</b>   |   |
| Concentrated % limits  | -   |
| <b>Packaging</b>   | <b>Type and suitability</b>   |
| Glass  | Yes   |
| Lacquer lined steel/tin  | Yes   |
| Aluminium  | Yes   |
| HPPE   | No  |
| F/HDPE   | Yes   |
| Other plastic  | No  |
| <b>Shelf life</b>  |   |
| Minimum 12 months when stored in the advised conditions  |   |
| <b>QC requirements</b>   |   |
| In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.  |   |
| The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the users responsibility to determine safe conditions for the use of this product and to assume liability for loo, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use. |   |