

Manuka Essential Oil - 20% Triketones (NATRUE) – SAFETY DATA SHEET

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

PRODUCT IDENTIFIER

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| Product Name | Manuka Essential Oil - 20% Triketones (NATRUE) |
| INCI | Leptospermum scoparium branch/leaf oil |
| Recommended Use | Aromatherapy, Skin, Oral, Hair & Personal Care, Disinfectant, Preservative |
| CAS Number | 219828-87-2 / 223749-44-8 |


DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

| | | |
|-------------------------------------|-----------------------------------|-----------------------------------|
| Registered distributor company name | Pure Ingredients Ltd | Pure Nature |
| Address | 626A Rosebank Road, Avondale 1026 | 626A Rosebank Road, Avondale 1026 |
| Telephone | +64 9 813 5619 | +64 813 9412 |
| Website | www.pureingredients.co.nz | www.purenature.co.nz |
| Email | compliance@pureingredients.co.nz | info@purenature.co.nz |

EMERGENCY TELEPHONE NUMBER

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|-----------------------------------|-------------------------------------|
| Association / Organisation | 0800 CHEMCALL / 0800 243 622 (24hr) |
| Emergency telephone numbers | 111 |
| Other emergency telephone numbers | 0800 764 766 |

SECTION 2 HAZARDS IDENTIFICATION

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| HSNO Hazard Classification | 6.1D: acute toxicity Category 4 6.3A: skin irritation Category 2 6.4A: eye irritation Category 2 |
| HSNO Approval Number | - |
| Hazard Nature | This product is classified as HAZARDOUS under HSNO criteria |
| Pictogram(s) |  |
| Signal Word | Warning |
| Hazard Statement(s) | H302: Harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation. |
| Prevention Statements(s) | P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P280: Wear protective gloves. |
| Response Statement(s) | P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P302+P352: IF ON SKIN: Wash with plenty of water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Storage Statement(s) | Nil |
| Disposal Statement(s) | Nil |

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

| CAS No. | % [weight/volume] | Chemical Name |
|-------------|-------------------|--|
| 223749-44-8 | 100 % | Leptospermum scoparium branch/leaf oil |

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

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| Self-protection of the first aider | No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. |
| Inhalation | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention. |
| Skin contact | Wash with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention. |
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention. |
| Ingestion | Rinse mouth. Give plenty of water to drink. Keep patient at rest. Get medical advice/attention if you feel unwell. |

SECTION 5 FIREFIGHTING MEASURES

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| Suitable extinguishing media | Eliminate all ignition sources if safe to do so. May be combustible at higher temperatures. Use: Water spray, foam, dry powder or CO ₂ . |
| Unsuitable extinguishing media | Direct water jet may spread the fire. |
| Specific hazards arising from the chemical | Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide. |
| Advice for fire-fighters | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Chemical protection suit. Heating will cause pressure rise with risk of bursting and subsequent explosion. Keep containers cool by spraying with water if exposed to fire. Evacuate if necessary. |

SECTION 6 ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Avoid splashing. |
| Environmental precautions | Do not allow to enter drains, sewers or watercourses. |
| Methods and materials for containment and cleaning up | Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Shut off source of leak if safe to do so. Contain spillages. Absorb spillage in inert material and shovel up. Collect as much as possible in clean container for reuse or disposal. Remove contaminated material to safe location for subsequent disposal. Collect leaking and spilled liquid in sealable (metal/plastic) containers as far as possible. |

SECTION 7 HANDLING AND STORAGE

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| Precautions for safe handling | Do not eat, drink or smoke when using this product. Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Avoid direct contact with the substance. |
| Conditions for safe storage, including any incompatibilities | Keep only in the original container in a cool, well-ventilated place away from heat and direct sunlight. Keep air contact to a minimum. |
| Suitable product packaging | Glass, Aluminium (phenolic epoxy lined), HDPE, F/HDPE, PP. |
| Storage life | 6 years from date of batch manufacture: If stored in sealed unopened containers under optimum conditions (i.e. inert atmosphere, out of direct sunlight and below 25°C). |
| Incompatible materials | Strong acids and oxidizing agents. |

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Control parameters | Occupational Exposure Limits: No exposure limits have been set for this substance. Biological limit value: Not established. PNECs and DNELs: Not applicable. |
| Appropriate engineering controls | Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Wash hands and exposed skin thoroughly after handling. |
| Environmental exposure controls | Avoid release to the environment. |
| Personal Protective Equipment | |
| Eye/face protection | Wear eye protection with side protection (EN166). Eyewash bottles should be available. |
| Skin protection | Hand protection: If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes. Body protection: Wear suitable coveralls to prevent exposure to the skin. |
| Respiratory protection | Not normally required. |
| Thermal hazards | N/A |

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Clear yellow liquid | Relative density @ 20°C | 0.918 – 1.003 |
| Odour | Aromatic odour | Solubility | Water: Insoluble |
| pH | Not determined | Viscosity | Viscous liquid |
| Melting/freezing point | Not determined | Explosive properties | Not explosive |
| Initial boiling point and boiling range | Not determined | Oxidising properties | Not oxidising |
| Flash point | 81 – 130°C | Refractive index | 1.497 – 1.506 |

SECTION 10 STABILITY AND REACTIVITY

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| Reactivity | Stable under normal conditions. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerisation will not occur. |
| Conditions to avoid | Avoid prolonged storage at elevated temperature. |
| Incompatible materials | Keep away from oxidising substances. Avoid contact with acids and alkalis. |
| Hazardous decomposition product(s) | Decomposes in a fire giving off toxic fumes: Acrid smoke, Carbon monoxide, Carbon dioxide. |

SECTION 11 TOXICOLOGICAL INFORMATION

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| Acute toxicity | Oral – Acute Tox. 4; H302: Harmful if swallowed. No data. Dermal – Based upon the available data, the classification criteria are not met. Inhalation – Based upon the available data, the classification criteria are not met. |
| Skin corrosion/irritation | Skin Irrit. 2; H315: Causes skin irritation. No data. |
| Serious eye damage/irritation | Eye Irrit. 2; H319: Causes serious eye irritation. No data. |
| Respiratory or skin sensitization | Based upon the available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based upon the available data, the classification criteria are not met. |
| Carcinogenicity | Based upon the available data, the classification criteria are not met. |
| Reproductive toxicity | Based upon the available data, the classification criteria are not met. |
| STOT - single exposure | Based upon the available data, the classification criteria are not met. |
| STOT - repeated exposure | Based upon the available data, the classification criteria are not met. |
| Aspiration hazard | Based upon the available data, the classification criteria are not met. |

SECTION 12 ECOLOGICAL INFORMATION

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| Toxicity | No information available. |
| Persistence and degradability | Not readily biodegradable. |
| Bioaccumulative potential | The product has low potential for bioaccumulation. |
| Mobility in soil | No information available. |
| Results of PBT and vPvB assessment | None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance. |
| Other adverse effects | None known. |

SECTION 13 DISPOSAL CONSIDERATION

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| Waste treatment methods | Avoid release to the environment. Dispose of wastes in an approved waste disposal facility. Recover or recycle if possible. |
| Additional Information | Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. |

SECTION 14 TRANSPORT INFORMATION

| Transport | Road & Rail | Marine | Air |
|------------------------------|-----------------|---------------------------------------|-----------------|
| UN number | None assigned. | None assigned. | None assigned. |
| UN proper shipping name | None assigned. | None assigned. | None assigned. |
| Transport hazard class(es) | None assigned. | None assigned. | None assigned. |
| Packing group | None assigned. | None assigned. | None assigned. |
| Environmental hazards | Not classified. | Not classified as a Marine Pollutant. | Not classified. |
| Special precautions for user | See section 2. | | |

SECTION 15 REGULATORY INFORMATION

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| EU regulations | REACH Authorisations and/or Restrictions On Use – None. |
| National regulations | N/A |
| International regulations | The International Fragrance Association (IFRA) Code of Practice 49th Amendment – Restrictions may apply. Check maximum usage levels for skin care products. |
| Chemical Safety Assessment | A REACH chemical safety assessment has not been carried out. |

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

Version: 00 Revision Date: 25/ 07/ 2019: PIL SA117 SDS 0021032018, New issue.

Version: 01 Revision Date: 25/01/2022: PIL – SA117 09092021