



PRODUCT SPECIFICATION

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| PRODUCT NAME: | Fringed Violet |
| LATIN NAME: | Thysanotus tuberosus |
| PRODUCT CODE: | 22 |
| PRODUCT CATEGORY: | Individual Stock Essence 15ml |

PRODUCT DESCRIPTION:

Australian Bush Flower Essences are obtained by extracting the healing vibrational quality from flowers which are imprinted onto a carrier solution of brandy and water. Product does not contain any plant material.

INGREDIENTS:

1% infusion of Australian Bush Flower Essence, 33% purified water, 66% Brandy

PHYSICAL and CHEMICAL PROPERTIES:

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| Physical Form | Solution |
| Appearance and Odour | Clear light brown solution with brandy alcohol odour. |
| Chemical Formula (for the main ingredients) | Ethanol: CH ₃ -CH ₂ -OH; Water: H ₂ O Not provided for the other ingredients. |
| Melting Point / Boiling Point | MP 0°C approx (water) BP 100°C (water) |
| Vapour Pressure | As for water. |
| Specific Gravity | Combination: 0.98 approx. at 20°C; Stock: 0.95 approx at 20°C |
| Flashpoint | Stock 21-23% Ethanol: 35°C. Combination 11-13% Ethanol: 50°C (Fl. Pts estimated from data in NFPA 325M – Properties of Flammable Liquids, Gases, Volatile Solids) |
| Flammability Limits (FL) (%) | Lower FL: 3.3% Upper FL: 19% (for 95% Ethanol) |
| Auto ignition Temp | Not applicable |
| Relative Vapour Density | Not available (air=1) |
| Solubility | Completely soluble in water. |
| Percent volatile by volume | 100% |
| pH | 5.9 (of the essence solution) |
| Odour Threshold | Not available |
| Saturated Vapour Conc'n | Not available |
| Evaporation Rate | <1 (Butyl Acetate = 1) |
| Octanol / Water Partition Co-efficient | log P(Octanol/Water) - Not available |
| Corrosiveness | Not corrosive |



COMPOSITION / INFORMATION ON INGREDIENTS:

| Chemical Name | CAS No. | Prop n | Risk Phrases |
|---|-----------|------------|--------------|
| Combination Essences: | | | |
| Ethanol (from Brandy) | - | 11-13% v/v | R11 as 95% |
| Water | 7732-18-5 | 88-89% v/v | None |
| Bush Flower Essence Combined Components | - | <0.05% | Not known |
| Stock Essences: | | | |
| Ethanol (from Brandy) | - | 21-23% v/v | R11 as 95% |
| Water | 7732-18-5 | 77-79% v/v | None |
| Bush Flower Essence Combined Components | - | <0.05% | Not known |

HAZARDS IDENTIFICATION:

Emergency Overview:

Clear solution with a Brandy / Ethanol odour in very small 15 mL or 30 mL glass bottles.

No significant health or environmental hazards.

The Combination Essences containing 11-13% Ethanol have a flashpoint about 50°C.

The Stock Essences containing 21-23% Ethanol have a flashpoint about 35°C.

Ethanol Solutions containing not more than 24% alcohol by volume are Not subject to the Dangerous Goods ADG Code, IMDG Code and IATA Regulations (heated flammable vapours can accumulate, but are not generated at a sufficient rate to continue to burn once the accumulated vapour has been burnt).

Dangerous Goods Information:

Not subject to the Australian Dangerous Goods (ADG) Code, the International Maritime Dangerous Goods (IMDG) Code nor the International Air Transport Association (IATA) Dangerous Goods Regulations. See Special Provision 144.

Hazardous Substances Information:

Not a Hazardous Substance according to the Australian Approved Criteria 2003 [NOHSC: 1008].

Not a Dangerous Substance according to the European Union Dangerous Substances Criteria.

HANDLING and STORAGE:

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| Handling | Avoid spillage. Avoid contact with strong oxidising agents and strong acids. |
| Storage | Store in a well ventilated area. Store away from sources of high heat, strong oxidising agents and strong acids. Keep containers closed at all times. |

Dated: Current 1 August 2018