



PRODUCT SPECIFICATION

PRODUCT NAME:	Autumn Leaves
LATIN NAME:	Autumn Leaves
PRODUCT CODE:	97
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:

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:

<p>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).</p>
<p>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.</p>
<p>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.</p>

HANDLING and STORAGE:

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