Form Approved OMB No. 2070-0060

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Data Matrix

Date: July 22, 2011 | **EPA Reg. No./File Symbol: 69987-1** | **Page 1 of 3**

Applicant's/Registrant's Name and Address: Botanical Resources Australia Pty Ltd. c/o RegWest Company, LLC: 8203 West 20th St., Suite A; Greeley, CO 80634-4696

Product Name: PY-T-50 Technical Pyrethrins

Ingredients: 50% Pyrethrins (CAS Number 8003-34-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
§ 158.310: Product Chemistry Data Requirements					
830.1550	Product identity and composition	443252-01	Botanical Resources	OWN	
830.1600	Description of materials used to produce the product	443252-01 480219-02	Botanical Resources Botanical Resources	OWN OWN	
830.1620	Description of production process	443252-01 480219-02	Botanical Resources Botanical Resources	OWN OWN	
830.1650	Description of formulation process				1
830.1670	Discussion of formation of impurities	443252-01	Botanical Resources	OWN	
830.1700	Preliminary analysis	480219-01	Botanical Resources	OWN	
830.1750	Certified limits	480219-01 480219-02	Botanical Resources Botanical Resources	OWN OWN	
830.1800	Enforcement analytical method	480219-09	Botanical Resources	OWN	
830.1900	Submittal of samples				2
Physical and Chemical Properties					
830.6302	Color	413655-01	Botanical Resources	OWN	
830.6303	Physical state	413655-01	Botanical Resources	OWN	
830.6304	Odor	413655-01	Botanical Resources	OWN	
830.6313	Stability (normal/elevated temperatures, metals and ions)	480219-10	Botanical Resources	OWN	
830.6314	Oxidation/reduction: chemical incompatibility				3
830.6315	Flammability	478822-01	Botanical Resources	OWN	4
830.6316	Explodability				5
830.6317	Storage stability	478822-01	Botanical Resources	OWN	4
830.6319	Miscibility	478822-01	Botanical Resources	OWN	4
830.6320	Corrosion characteristics			GAP	
830.6321	Dielectric breakdown voltage				6
830.7000	pH				7
830.7050	UV/visible light absorption	480219-10	Botanical Resources	OWN	

Signature:	Name and Title:	Date:
	Kim Davis, Consultant/Agent	7/22/11

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c/o RegWest Company, LLC: 8203 West 20th St., Suite A; Greeley, CO 80634-4696

Product Name:
PY-T-50 Technical Pyrethrins

Ingredients: 50% Pyrethrins (CAS Number 8003-34-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
Physical and Chemical Properties (continued)					
830.7100	Viscosity	478822-01	Botanical Resources	OWN	4
830.7200	Melting point/melting range				8
830.7220	Boiling point/boiling range	413655-01	Botanical Resources	OWN	
830.7300	Density/relative density/bulk density	413655-01	Botanical Resources	OWN	
830.7370	Dissociation constants in water				9
830.7520	Particle size, fiber length and diameter distribution				10
830.7550 830.7560 830.7570	Partition coefficient (n-octanol/water)	413655-01	Botanical Resources	OWN	 11 11
830.7840 830.7860	Water solubility	413655-01 413655-01	Botanical Resources Botanical Resources	OWN OWN	
830.7950	Vapor pressure	413655-01	Botanical Resources	OWN	
§ 158.400: Product Performance Data Requirements					
810.3100	Soil treatments for imported fire ants				11
810.3200	Livestock, poultry, fur- and wool-bearing animal treatments				11
810.3300	Treatments to control pests of humans and pets				11
810.3400	Mosquito, black fly and biting midge (sand fly) treatments				11
810.3500	Premises treatments				11
SS-1	Special study for arthropods				11
§ 158.500: Toxicology Data Requirements					
870.1100	Acute oral toxicity	480219-03	Botanical Resources	OWN	
870.1200	Acute dermal toxicity	480219-05	Botanical Resources	OWN	
870.1300	Acute inhalation toxicity – rat	480219-04	Botanical Resources	OWN	
870.2400	Primary eye irritation – rabbit	480219-08	Botanical Resources	OWN	
870.2500	Primary dermal irritation	482019-07	Botanical Resources	OWN	

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Ingredients: 50% Pyrethrins (CAS Number 8003-34-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
§ 158.500: Toxicology Data Requirements (continued)					
870.2600	Dermal sensitization	482019-06	Botanical Resources	OWN	
870.7200	Companion animal safety				11

Notes

1. N/A: Product is an MP/TGAI, produced using an integrated system	7. N/A: Product is not soluble or dispersible in water
2. Gladly submitted upon Agency request	8. N/A: Product is a liquid at room temperature
3. N/A: Product contains no redox agents	9. N/A: Product does not have acid, base or alcoholic functionality
4. Waiver request justification	10. N/A: Product is not fibrous or a water insoluble powder
5. N/A: Product contains no potentially explosive ingredients	11. N/A: Product is an MP/TGAI
6. N/A: Product is not for use in/on/around electrical equipment	

Signature:	Name and Title:	Date:
	Kim Davis, Consultant/Agent	7/22/11