INTERIM DATA REQUIREMENTS FOR END PRODUCTS (EP) FOR USE IN WOOD-TREATMENT

	Title	Data Required	Conditions
1	**Index**	**R**	
2	**Label**	**R**	
3	**Chemistry Requirements for the Registration of Manufacturing Concentrates and End-Use Products Formulated from Registered technical grade of active ingredients or integrated system products.**		
3.1	**Product Identification**		
	Applicant's Name and Office Address	**R**	
	Formulating Plant's Nam e and Address	**R**	
	Trade Name	**R**	
	Other Names	**R**	
3.2	**Formulation Process**		
	Description of Starting Materials	**R**	
	Description of the Formulation Process	**R**	
	Discussion of the Formation of Impurities of	**CR**	If applicable.
	Toxicological Concern		
3.3	**Specifications**		
	Establishing Certified Limits	**R**	
	Control Product Specification Form	**R**	
3.4	**Product Analysis**		
3.4.1	Enforcement Analytical Method	**R**	
3.4.2	Impurities of Toxicological Concern	**CR**	If applicable.
3.5	**Chemical and Physical Properties**		
3.5.1	Color	**CR**	Required for manufacturing concentrates only
3.5.2	Physical State	**R**	

3.5.3	odor	**CR**	Required for manufacturing concentrates only
3.5.4	Formulation Type	**R**	
3.5.5	Container Material and Description	**R**	
3.5.6	Density or Specific Gravity	**R**	
3.5.7	pH	**R**	
3.5.8	Oxidizing or Reducing Action (Chemical Incompatibility)	**R**	
3.5.9	Viscosity	**R**	
3.5.10	Storage Stability Data	**R**	
3.5.11	Flammability	**R**	
3.5.12	Explodability	**R**	
3.5.13	Miscibility	**R**	
3.5.14	Corrosion Characteristics	**R**	
3.5.15	Dielectric Breakdown Voltage	**R**	
3.5.16	Other Studies/Data/Reports	**CR**	
4	**Toxicology**		
	Summaries	**CR**	If available
4.1	**Acute Studies — EP**	**R**	
	Acute Oral		
	Acute Dermal	**R**	
	Acute Inhalation	**R**	
	Primary Eye Irritation	**R**	
	Primary Dermal Irritation	**R**	
	Dermal Sensitization	**R**	
	Potentiation/Interaction	**R**	
	Other Acute Studies	**CR**	
4.2	**Short-term Studies — EP**	**CR**	Depending on use pattern, required if any component of the EP may increase absorption of the active ingredient(s) or increase toxic or pharmacologic effects
	Short-term Oral (90 -day rodent)	**CR**	See 4.2
	Short-term Oral (90-day and/or 12-month dog)	**CR**	See 4.2
	Short-term Dermal (90-d ay)	**CR**	See 4.2
	Short-term Dermal (21/2 8-day)	**CR**	See 4.2
	Short-term Inhalation (21 /28-d ay)	**CR**	See 4.2
	Short-term Inhalation (90 -day)	**CR**	See 4.2
	Other Special Studies	**CR**	See 4.2

	Other Studies/Data/Reports	**CR**	F available
5	**Exposure (Occupational and/or Bystander)**		
5.1	Summaries	**R**	
5.2	Use Description/Scenario (Application and Post	**R**	
5.3	Application)	**R**	
5.4	Mixer/Loader/Applicator-Passive Dosimetry Data	**R**	
5.5	Mixer/Loader/Applicator-Biological Monitoring Data	**R**	
5.6	Post Application-Passive Dosimetry Data	**CR**	One of 5.6 or 5.7 is required when there is a potential for post application exposure
5.7	Post Application-Biological Monitoring Data	**CR**	See 5.6
5.8	Dermal Absorption	**CR**	May be required if margin of safety is inadequate
5.9	Dislodgeable Residues (Foliar, Soil and Surface)	**CR**	Surface residues may be required if there is a potential for post-application exposure
5.10	Glove/Clothing Penetration Data	**CR**	may be required for risk mitigation purposes or for an inadequate margin of safety
5.11	Package Integrity Study	**CR**	Required if packaged in water soluble bags
5.12	Other Studies/Data/Reports	**CR**	If available
6	**Environmental Chemistry and Fate**		
	Summaries	**R**	
6.1	**Laboratory Studies**		
	Summary of Physicochemical Properties to Include, Solubility in Water, Vapor Pressure, Octanol:Water Partition Co efficient, Dissociation Constant, UV –Visible Absorption, Density or Specific Gravity (See parts 2 and 3)	**R**	
6.2	**Laboratory Studies of Transformation**		
	Summary	**R**	
	Special Studies Related to Use-Pattern or Formulation	**R**	Photo-transformation on wood

6.3	**Laboratory Studies of Mobility**		
	Summary	**R**	
	Special Studies Related to Use-Pattern or Formulation	**R**	Studies of leaching/wash- off from freshly treated wood
7	**Field Studies of Dissipation/Accumulation [May be Small or Large-Scale]**		
	Summary	**R**	
7.1	**Terrestrial**		To include the determination of release/leaching from treated wood into soil under conditions of proposed use
	Summaries	**R**	
7.2	**Aquatic**		
	Summaries	**CR**	Based on potential for aquatic exposure and if pesticide residues have the potential for persistence, mobility, non-target aquatic toxicity or bioaccumulation
	Special Studies Related to Intended U se Pattern	**R**	Simulated or actual field study of leaching/wash-off from freshly treated wood; to be followed by the determination of leachate acute toxicity to the most sensitive aquatic invertebrate or fish species (as determined in parts 9.3, 9.4, 9.5)
8	**Storage, Disposal and Decontamination (TGAI or EP)**		
	Summary	**R**	
9	**Other Environmental Fate Studies (TGAI or EP)**		
	Summary	**R**	
	Incineration -thermal decomposition at high and low temperatures	**R**	
	Other Studies/Data/Reports	**CR**	If available
9.1	**Environmental Toxicology**		
	Summary	**R**	

9.2	**Non-Target Terrestrial Invertebrates**		
	Summaries	**CR**	
	Laboratory Studies	**CR**	
	Field Studies	**CR**	
9.3	**Non-Target Freshwater Invertebrates**		
	Summary	**R**	
	Laboratory Studies	**CR**	If components of the EP are of concern
	Field Studies	**CR**	Based on concerns arising from results of other studies
9.4	**Non-Target Marine Invertebrates**		
	Summaries	**CR**	
	Laboratory Studies	**CR**	
	Field Studies	**CR**	
9.5	**Fish**		
	Summaries	**R**	
	Laboratory Studies	**CR**	If components of the EP are of concern
	Field Studies	**CR**	Based on concerns arising from results of other studies
9.6	**Wild Birds**		
	Summary	**R**	
	Laboratory Studies	**CR**	If there is potential for exposure and components of the EP are of concern
	Field Studies	**CR**	Based on concerns arising from results of other studies
	Special Studies Related to the Intended Use-Pattern (TGAI or EP)	**CR**	
9.7	**Wild Mammals**		
	Summary	**CR**	Based on concerns arising from results of other studied
	Field Studies	**CR**	
9.8	**Non-Target Plants**		
	Summary	**R**	
	Laboratory Studies	**CR**	If components of the EP are of concern
	Field Studies	**CR**	Based on concerns arising from results of other studies
	Other Studies/Data/Reports	**CR**	If available

10	**Value (applicable to each pest/site or host combination)**		
	Value Summaries	**CR**	
11	**Efficacy Studies**		
	Mode of Action	**R**	
	Description of Pest Problem	**R**	
11.1	**Efficacy Trials**		
	Summaries	**R**	
	Efficacy: Laboratory, Growth Chamber Trials	**CR**	
	Efficacy: Small-scale Trials (Field, Greenhouse)	**CR**	
	Efficacy: Operational Trials	**R**	
11.2	**Adverse Effects on Use Site**		
	Summaries	**CR**	
	Non-Safety Adverse Effects [e.g.: to crop, site of application (discoloration, corrosion), etc.]	**CR**	
	Damage to Rotational Crops	**CR**	
	Economics	**CR**	
11.3	**Sustainability**		
	Survey of Alternatives (chemical and non-chemical)	**CR**	
	Compatibility with Current Management Practices Including IPM	**CR**	
	Resistance Management	**CR**	
	Contribution to Risk Reduction	**CR**	
	Other Studies/Data/Reports	**CR**	If available
11.4	**Foreign Reviews**		
	Foreign Reviews of Chemistry Requirements for Mas and E Ps formulated from registered TG AIs or ISPs	**CR**	
	Foreign Reviews of Toxicology	**CR**	
	Foreign Reviews of Exposure (Occupational and/or Bystander)	**CR**	
	Foreign Reviews of Environmental Chemistry and Fate	**CR**	

	Foreign Reviews of Environmental Toxicology	**CR**	
	Foreign Reviews of Value	**CR**	
	Comprehensive Data Summaries	**CR**	

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Adapted from: G. (2010, May 11). Wood - End Use Products: Data Requirements for Use Site Category (USC # 23). Retrieved July 12, 2019, from https://www.canada.ca/en/health-canada/services/consumer-product-safety/pesticides-pest-management/registrants-applicants/product-application/use-site-category-daco-tables/data-requirements-23-end-use-products.html