

Appendix 9 **Format for the listing of end points to be included in the *Tier III* overall summary and assessments**

Company name	Month and year	Active Substance (Name)	page of
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Physical-chemical properties (Data point number IIP, point 2)

Technical Grade of the Active Ingredient (TGAI)

Melting point (state purity)	
Boiling point (state purity)	
Appearance (state purity)	
Relative density (state purity)	
Vapour pressure (in Pa, state temperature)	
Henry's law constant (Pa m ³ mol ⁻¹)	
Solubility in water (g/l or mg/l, state temperature)	pH_____:
	pH_____:
	pH_____:
Solubility in organic solvents (in g/l or mg/l, state temperature)	
Partition co-efficient (log P _{OW}) (state pH and temperature)	pH_____:
	pH_____:
	pH_____:
Hydrolytic stability (DT ₅₀) (state pH and temperature)	pH_____:
	pH_____:
	pH_____:
UV/VIS absorption (max.) (if absorption > 290 nm state at wavelength)	
Photostability (DT ₅₀) (aqueous, sunlight, state pH)	

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Active Ingredient Component 1 (to be completed for every Active Ingredient Component)

Melting point (state purity)	
Boiling point (state purity)	
Appearance (state purity)	
Relative density (state purity)	
Vapour pressure (in Pa, state temperature)	
Henry's law constant (Pa m ³ mol ⁻¹)	
Solubility in water (g/l or mg/l, state temperature)	pH_____:
	pH_____:
	pH_____:
Solubility in organic solvents (in g/l or mg/l, state temperature)	
Partition co-efficient (log P _{OW}) (state pH and temperature)	pH_____:
	pH_____:
	pH_____:
Hydrolytic stability (DT ₅₀) (state pH and temperature)	pH_____:
	pH_____:
	pH_____:
UV/VIS absorption (max.) (if absorption > 290 nm state at wavelength)	
Photostability (DT ₅₀) (aqueous, sunlight, state pH)	

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Classification and proposed labelling

with regard to physical/chemical data

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with regard to toxicological data

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with regard to fate and behaviour data

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with regard to ecotoxicological data

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Chapter 2: Methods of Analysis

Analytical methods for the active substance (Data point number IIP, point 4.2.1 and 4.2.3)

Technical as (principle of method)

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Impurities in technical as (principle of method)

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Plant protection product (principle of method)

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Chapter 3: Impact on Human and Animal Health

Acute toxicity (Data point number IIP, point 5.2)

Rat LD₅₀ oral

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Rat LD₅₀ dermal

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Rat LC₅₀ inhalation

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Skin irritation

--

Eye irritation

--

Skin sensitization (test method used and result)

--

Acceptable exposure scenarios (e.g. estimate of exposure of no concern)

Operator

--

Workers

--

Bystanders

--

Consumers

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Chapter 4: Residues (not normally required)

Chapter 5: Fate and Behaviour in the Environment

Soil adsorption/desorption (Data point number IIP, point 7.4.1)

K_f/K_{oc}

K_d

pH dependence (yes / no) (if yes type of dependence)

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Mobility in soil (Data point number IIP, point 7.4.3)

Column leaching

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Route and rate of degradation in water (Data point number IIP, point 7.6)

Photolytic degradation of active substance and relevant metabolites

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Volatility (Data point number IIP, point 7.4.9)

Laboratory study

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Monitoring data, if available (Data point number IIP, point 7.12)

Soil (indicate location and type of study)

Surface water (indicate location and type of study)

Ground water (indicate location and type of study)

Air (indicate location and type of study)

Chapter 6: Effects on Non-target Species

Effects on terrestrial vertebrates (Data point number IIP, point 8.1, Data point number IIIP, points 10.1 and 10.3)

Acute toxicity to mammals

Dietary toxicity to birds

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Toxicity/exposure ratios for terrestrial vertebrates (Data point number IIP, points 10.1 and 10.3)

Application rate (kg as/ha)	Crop	Category (e.g. insectivorous bird)	Time-scale	TER	Data point number VI Trigger

Toxicity data for aquatic species (most sensitive species of each group) (Data point number IIP, point 8.2.1, 8.3, 8.4 and 8.6, Data point number IIP, point 10.2)

Group	Test substance	Time-scale	Endpoint	Toxicity (mg/l)
Laboratory tests				
Microcosm or mesocosm tests				

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Toxicity/exposure ratios for the most sensitive aquatic organisms (Data point number IIP, point 10.2)

Application rate (kg as/ha)	Crop	Organism	Time-scale	Distance (m)	TER	Data point number VI Trigger

Effects on honeybees (Data point number IIP, point 8.7, Data point number IIP, point 10.4)

Acute oral toxicity

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Acute contact toxicity

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Hazard quotients for honey bees (Data point number IIP, point 10.4)

Application rate (kg as/ha)	Crop	Route	Hazard quotient	Data point number VI Trigger
Laboratory tests				

Field or semi-field tests

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Effects on other arthropod species (Data point number IIP, point 8.8, Data point number IIIP, point 10.5)

Species	Stage	Test Substance	Dose (kg as/ha)	Endpoint	Effect	Data point number VI Trigger
Laboratory tests						

Field or semi-field tests

Effects on earthworms (Data point number IIP, point 8.9, Data point number IIIP, point 10.6)

Acute toxicity	
Reproductive toxicity	

Toxicity/exposure ratios for earthworms (Data point number IIIP, point 10.6)

Application rate (kg as/ha)	Crop	Time-scale	TER	Data point number VI Trigger

Effects on soil micro-organisms (Data point number IIP, point 8.10, Data point number IIIP, point 10.7)

Nitrogen mineralization	
Carbon mineralization	

Effects on terrestrial vascular plants (Data point number IIP, point 8.12, Data point number IIIP, point 10.8)

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