

	1-10 t/a	10-100 t/a	100-1000 t/a	> 1000 t/a
Ecotoxicology				
	Aquatic toxicity (short term, invertebrates)	Aquatic toxicity (short term, fish)	Aquatic toxicity (long term, invertebrates)	Degradation (biotic, further testing)
	Aquatic toxicity (short term, aquatic plants)	Aquatic toxicity (activated sludge respiration, inhibition testing)	Aquatic toxicity (long term, fish)	Fate and behaviour in the environment (further testing)
	Degradation (biotic, readily biodegradability)	Degradation (abiotic, hydrolysis finction of pH)	Degradation (biotic, surface water)	Effects on terrestrial organisms (long term, invertebrates)
		Fate and behaviour in the environment (adsorption/ desorption screening)	Degradation (biotic, soil)	Effects on terrestrial organisms (long term, plants)
			Degradation (biotic, sediment)	Effects on sediment organisms (long term)
			Degradation (biotic, identification of degradation products)	Effects on birds (long term or reproductive)
			Fate and behaviour in the environment (bioaccumulation, aquatic species)	
			Fate and behaviour in the environment (further information on adsorption/desorption)	

Required for up to 10 t/year
(annex VII)

	1-10 t/a	10-100 t/a	100-1000 t/a	> 1000 t/a
Ecotoxicology				
			Effects on terrestrial organisms (short term, invertebrates)	
			Effects on terrestrial organisms (soil, microorganisms)	
			Effects on terrestrial organisms (short term, plants)	

Required for up to 10 t/year
(annex VII)

	1-10 t/a	10-100 t/a	100-1000 t/a	> 1000 t/a
Physico-chemical properties				
	State of the substance at 20°C		Stability in organic solvents and identity of relevant degradation products (if substance stability is considered to be critical)	
	Melting/ freezing point		Dissociation constant	
	Boiling point		Viscosity	
	Relative density			
	Vapour pressure			
	Surface tension			
	Water solubility			
	Partition coefficient n-octanol/water			
	Flash-point			
	Flammability			
	Explosive properties			
	Self-ignition temperature			
	Oxidising properties			
	Granulometry			
	Density			

Required for up to 10 t/year
(annex VII)

	1-10 t/a	10-100 t/a	100-1000 t/a	> 1000 t/a
Toxicology				
	Skin irritation or skin corrosion (in vitro)	Skin irritation (in vivo)	Repeated dose toxicity (28 days, one species)*	Reproductive toxicity (development, one species)
	Eye irritation (in vitro)	Eye irritation (in vivo)	Repeated dose toxicity (90 days, one species, rodent)	Reproductive toxicity (two generation, one species)*
	Skin sensitisation	Mutagenicity (in vitro, cytonicity mammalian cells or micronucleus)	Reproductive toxicity (pre-natal development, one species)	Carcinogenicity study
	Mutagenicity (in vitro, gene mutation bacteria)	Mutagenicity (in vitro, gene mutation mammalian cells)	Reproductive toxicity (two generations, one species)	
	Acute toxicity (oral route)	Acute toxicity (inhalation)		
		Acute toxicity (dermal route)	<i>* These studies have to be carried out if they have not been completed for the lower tonnage band because of waving.</i>	
		Repeated dose toxicity (28 days, one species)		
		Repeated dose toxicity (screening, one species)		
		Toxicokinetics (assessment from available information)		

Required for up to 10 t/year
(annex VII)