

| | 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 function 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 1000 t/year (annexes VII + VIII + IX)

| | 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 1000 t/year (annexes VII + VIII + IX)

| | 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 1000 t/year (annexes VII + VIII + IX)

| | 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 1000 t/year (annexes VII + VIII + IX)