Basic tests required for completion of final REACH dossier (> 1000 t/a)

No.	Type of study	Test method
4.1	Identity a) CHNO-analysis (twice) b) UV-VIS absorption spectrum (solvent to be known) c) IR spectrum incl. interpretation d) ^{1}H-NMR, ^{13}C-NMR, APT spectrum incl. interpretation e) Reporting f) GC or HPLC chromatogram	OECD 101
4.2	Melting Point/ Melting Range	OECD 102/ EU A.1
4.3	Boiling Point	OECD 103/ EU A.2
4.4	Density of Liquids and Solids	OECD 109/ EU A.3
4.5	Particle Size Distribution (solids only) Screening only (new quotation if follow-up study required)	OECD 110
4.6	Vapor Pressure	OECD 104/ EU A.4
4.7	Partition Coefficient (n-octanol/water)	OECD 117/ EU A.8
4.8 (Pretest)	Water Solubility Pre-test	OECD 105/ EU A.6
4.8 (Maintest)	Water Solubility: Main test: Solubility dependencies	OECD 105/ EU A.6
4.10	Surface Tension of Aqueous Solutions	OECD 115/ EU A.5
4.11a or 4.11b A	Flash points (usually only liquids) Flammability (only solids) a) Screening test only	EU A.9 EU A.10
4.11a or 4.11b B	Flash points (usually only liquids) Flammability (only solids) b) Full study	EU A.9 EU A.10
4.14a or 4.14b	Explosiveness: waiving statement Explosive properties (full study)	EU A.14
4.12a	Auto-ignition temperature	EU A.15
4.12b	Self-ignition temperature (solids only)	EU A.16
4.15 (waiving)	Oxidising properties: structure-based waiving	-
4.15 (test)	Oxidising properties for solids	EU A.17
5.1	Ready Biodegradability (incl. monitoring)	OECD 301/ EU C.4
5.2[#]	Hydrolysis	OECD 111/ EU C.7
5.3[#]	Adsorption/desorption	OECD 121/ EU C.19

No.	Type of study	Test method
5.4#	Further Biodegradation test*, e.g. transformation in soil	OECD 111/ EU C.7
6.1	Algal Growth Inhibition Test incl. analytics and monitoring	OECD 201/ EU C.3
6.2	Daphnia acute toxicity incl. analytics and monitoring	OECD 202/ EU C.2
6.3#	Short-term toxicity to fish (excl. analytics)	OECD 203/ EU C.1
6.4#	Activated sludge respiration inhibition testing	OECD 209/ EU C.11
7.1 A	a) Acute oral toxicity	OECD 423/ EU B.1-tris
7.1 B	b) #additional acute toxicity route, e.g. inhalation	OECD 403/ EU B.2
7.2#	Skin corrosion/irritation (in vivo)	OECD 404/ EU B.4
7.4	Acute eye irritation/corrosion	OECD 405/ EU B.5
7.5	Skin sensitization: LLNA	OECD 429/EU B.42
7.6 A	a) Mutagenicity: Ames-test	OECD 471/ EU B.13/14
7.6 B	b) #In vitro cytogenicity study in mamm. cells (Chromosome Aberration Test or in vitro micronucleus assay	OECD 473/ EU B.10
7.6 C	c) #Second in vitro cytogenicity study in mamm. cell (e.g. HPRT Test or Mouse Lymphoma)	OECD 476
7.7 A	Repeated dose toxicity: oral	OECD 407/ EU B.7
7.7 B	Repeated dose toxicity: inhalation	OECD 412
7.8.1	Toxicity to reproduction, e.g. screening test	OECD 421
4.17	Stability in organic solvents and identity of relevant degradation products	OECD 116
4.21	Dissociation constant	OECD 112
4.22	Viscosity of Liquids	OECD 114
5.6	Biodegradation simulation tests in water and sediment:	OECD 309
5.7	Biodegradation in soil	OECD 307
5.8	Bioaccumulation: aquatic / sediment	OECD 305
6.5	Sediment toxicity	OECD 218
6.6	Toxicity to soil macro organisms except arthropods	OECD 207/ EU C.8
6.7	Toxicity to terrestrial plants	OECD 208
6.8	Toxicity to soil / micro organisms	OECD 216
6.9	Toxicity to bird	OECD 205

No.	Type of study	Test method
7.1	Toxikokinetic waiving based on result of sub-chronic and chronic studies and/or testitem behaviour.	-
7.1	Toxicokinetic study in rats using ^{14}C Testitem	OECD 417
7.8.2	Toxicity to reproduction (two-generation study; oral)	OECD 416
7.9 A	a) Repeated dose toxicity (90 days): oral	OECD 408/ EU B.26
7.9 B	b) Repeated dose toxicity (90 days): inhalation	OECD 413
7.10	Developmental (oral) toxicity / teratogenicity	OECD 414/ EU B.31
7.11a	Carcinogenicity (oral)	OECD 451/ EU B.32
7.11b	Combined Chronic Toxicity Carcinogenicity Test (oral)	OECD 453/ EU B.33
8	Analytical methods: set-up/validation	-

Remarks:
 # Test requirements according REACH Annex VIII (10 – 100 t/a) but not Annex VII (1 – 10 t/a)
** Necessary if required by Chemical Safety Assessment*