

**Part B3 Table 3c – Types and amounts of raw materials**

Table (a)

Schedule 1 Activity	Description of Raw material and composition material	Maximum amount (tonnes)	Annual Throughput (tonnes each year)	Description of how the raw material is used including any main hazards (include safety information sheets)
Bromination of Organic Polymers	Polystyrene polymer	0.050	0.080	Base material for reaction
	1,2 - Dichloroethane	2.000	0.929	Solvent for reaction Hazard Codes (Europe): F, T
	Bromine	0.125	0.058	Brominating reagent Hazard Codes (Europe): T+, C, N
	Thallium acetate	0.005	0.001	Catalyst for reaction Hazard Codes (Europe): T+, N
	Dichloromethane	1.060	1.081	Solvent for product purification Hazard Code (Europe): Xn
	Methanol	0.800	0.770	Solvent for product purification Hazard Codes (Europe): F, T

Table (b)

Schedule 1 Activity	Description of Raw material and composition material	Maximum amount (tonnes)	Annual Throughput (tonnes each year)	Description of how the raw material is used including any main hazards (include safety information sheets)
Chlorosilation	Amorphous synthetic silica	2.000	0.262	Base material for reaction
	Ethylbenzene	1.040	0.454	Solvent for reaction Hazard Codes (Europe): F, Xn
	Imidazole	0.0025	0.013	Catalyst for reaction Hazard Code (Europe): T
	Trichlorosilanes (various)	0.200	0.131	Chlorosilation reagent Hazard Codes (Europe): C, T, T+, F
	Hexane	0.530	1.233	Solvent for product purification Hazard Codes (Europe): F, Xn, N
	Acetone	0.630	2.610	Solvent for product purification Hazard Codes (Europe): F, Xi
	Methanol	0.950	1.037	Solvent for product purification Hazard Codes (Europe): F, T

Table (c)

Schedule 1 Activity	Description of Raw material and composition material	Maximum amount (tonnes)	Annual Throughput (tonnes each year)	Description of how the raw material is used including any main hazards (include safety information sheets)
Oxidation of Si – Thiol	Si – Thiol	0.060	0.300	Base material for reaction
	Nitric acid	0.077	0.424	Oxidising reagent Hazard Codes (Europe): O, C
	Methanol	0.950	4.271	Solvent for product purification Hazard Codes (Europe): F, T

Table (d)

Schedule 1 Activity	Description of Raw material and composition material	Maximum amount (tonnes)	Annual Throughput (tonnes each year)	Description of how the raw material is used including any main hazards (include safety information sheets)
Sulfonation of sorbents	Bonded silica sorbents	0.012	0.027	Base material for reaction
	Dichloromethane	1.060	0.101	Solvent for reaction Hazard Code (Europe): Xn
	Chlorosulfonic acid	0.010	0.023	Sulfonating reagent Hazard Code (Europe): C
	Methanol	0.950	3.161	Solvent for product purification Hazard Codes (Europe): F, T