

(APPENDIX, Technical Terms)

Active ingredient (a.i.)	Biologically active chemical compound; essential component of a sales product obtained by <i>formulation</i> .
Batch production	(Opposite to <i>continuous production</i>) Industrial production of a chemical product in one or a series of consecutive batch reaction steps or stages. In a batch reaction, the reaction conditions as well as the concentrations of the chemicals in the reaction mixture are changing with time.
Chemical process	Procedure to be followed for the preparation of a chemical compound in the laboratory.
Continuous production	(Opposite to <i>batch production</i>) Industrial production of a chemical product in one or a series of consecutive con- tinuous reaction steps or stages. In a continuous reaction, the raw materials are added continuously; the reaction conditions as well as the concentrations of the chemicals in the reaction mixture reach constant values at the end of the start-up phase, (i.e. steady state conditions).
Control instruments	Industrial pieces of equipment designed to measure or record the physical or chemical state inside the different parts of a process unit (e.g. temperature, pressure, flow rate, pH) and to control the physical or chemical state by calculated operation of control valves or other control elements.
Dedicated plant	(Synonym: single-purpose plant) Plant containing produc- tion units designed to produce permanently a single product under optimal conditions. In general, dedicated plants are economically advantageous only if the capacity utilization is at least in the order of 80 %.