

SCHEDULES

SCHEDULE 1

ACTIVITIES, INSTALLATIONS AND MOBILE PLANT

PART 1

ACTIVITIES

CHAPTER 7

SOLVENT EMISSIONS

SECTION 7

SED ACTIVITIES

Part A

Nil

Part B

Nil

Part C

- (a) The activities listed in the table below if they are operated above the solvent consumption thresholds for that activity.

<i>Activity</i>	<i>Solvent consumption threshold in tonnes/year</i>
Heatset web offset printing	15
Publication rotogravure	25
Other rotogravure, flexography, rotary screen printing, laminating or varnishing units	15
Rotary screen printing on textile/cardboard	30
Surface cleaning using specified substances or mixtures	1
Other surface cleaning	2
Vehicle coating and vehicle refinishing	0.5
Coil coating	25
Other coating activities, including metal, plastic, textile (except rotary screen printing on textile), fabric, film and paper coating	5
Winding wire coating	5

Status: This is the original version (as it was originally made).

<i>Activity</i>	<i>Solvent consumption threshold in tonnes/year</i>
Coating activity applied to wooden surfaces	15
Dry cleaning	0
Wood impregnation	25
Coating activity applied to leather	10
Footwear manufacture	5
Wood and plastic lamination	5
Adhesive coating	5
Manufacture of coating mixtures, varnishes, inks and adhesives	100
Rubber conversion	15
Vegetable oil and animal fat extraction and vegetable oil refining activities	10
Manufacturing of pharmaceutical products	50

Interpretation of Part C

1. Expressions used both in this Part and in Chapter V of the IED have the same meaning for the purposes of this Part as they have for the purposes of that Directive.

2. For the purposes of this Part—

“adhesive” means any mixture, including all the organic solvents or mixtures containing organic solvents necessary for its proper application, which is used to adhere separate parts of a product;

“adhesive coating” means any activity in which an adhesive is applied to a surface excluding the application of adhesive and laminating associated with printing activities;

“coating activity” means any activity in which a single or a multiple application of a continuous film of a coating is applied (including a step in which the same article is printed using any technique) but does not include the coating of substrate with metals by electrophoretic and chemical spraying techniques;

“coil coating” means any activity where coiled steel, stainless steel, coated steel copper alloys or aluminium strip is coated with either a film forming or laminate coating in a continuous process;

“consumption” means the total input of organic solvents into an installation per calendar year, or any other twelve month period, less any volatile organic compounds that are recovered for re-use;

“dry cleaning” means any industrial or commercial activity using volatile organic compounds to clean garments, furnishing and similar consumer goods excluding the manual removal of stains and spots in the textile and clothing industry;

“flexography” means a printing activity using an image carrier of rubber or elastic photopolymers on which the printing areas are above the non-printing areas and liquid inks which dry through evaporation;

“footwear manufacture” means any activity of producing complete footwear or parts of footwear;

“halogenated organic solvent” means an organic solvent which contains at least one atom of bromine, chlorine, fluorine or iodine per molecule;

“heat web offset printing” means a web-fed printing activity using an image carrier in which the printing and non-printing area are in the same plane, where—

- (i) the non-printing area is treated to attract water and reject ink;
- (ii) the printing area is treated to receive and transmit ink to the surface to be printed; and
- (iii) evaporation takes place in the oven where hot air is used to heat the printed material.

“ink” means a mixture, including all the organic solvents or mixtures containing organic solvents necessary for its proper application which is used in a printing activity to impress text or images on to a surface;

“laminating associated to a printing activity” means the adhering together of two or more flexible materials to produce laminates;

“manufacturing of coating mixtures, varnishes, inks and adhesives” means the manufacture of coating mixtures, varnishes, inks and adhesives as final products and where carried out at the same site the manufacture of intermediates by the mixing of pigments, resins and adhesive materials with organic solvent or other carrier, including—

- (i) dispersion and predispersion activities;
- (ii) viscosity and tint adjustments; and
- (iii) operations for filling the final product into its container;

“manufacturing of pharmaceutical products” means one or more of the following activities—

- (i) the chemical synthesis;
- (ii) fermentation;
- (iii) extraction;
- (iv) formulation; or
- (v) finishing of pharmaceutical products and where carried out at the same site, the manufacture of intermediate products;

“other coating activities” means a coating activity applied to—

- (i) trailers, defined in categories O1, O2, O3 and O4 in Directive [70/156/EEC\(1\)](#) of 6 February 1970 on the approximation of the laws of the Member States relating to the type-approval of motor vehicles and their trailers;
- (ii) metallic and plastic surfaces including the surfaces of airplanes, ships and trains; and
- (iii) textile, fabric, film and paper surfaces;

“printing activity” means any activity (not being a step in a coating activity) for reproducing text and/or images in which, with the use of an image carrier, ink is transferred on to any type of surface, including the use of associated varnishing, coating and laminating techniques;

“publication rotogravure” means a rotogravure printing activity used for printing paper for magazines, brochures, catalogues or similar products, using toluene-based inks;

“reuse” means the use of organic solvents recovered from an installation for any technical or commercial purpose and including use as a fuel but excluding the final disposal of such recovered organic solvent as waste;

“rotary screen printing” means a web-fed printing activity in which liquid ink which dries only through evaporation is passed on to the surface to be printed by forcing it through a porous image carrier, in which the printing area is open and the non-printing area is sealed off;

“rotogravure” means a printing activity using a cylindrical image carrier in which the printing area is below the non-printing area and liquid inks which dry through evaporation in which

(1) O.J. No.L42, 23.2.1970 p. 1 as amended by Directive [97/27/EC](#) (O.J. No. 233, 25.8.1997, p. 1)

Status: This is the original version (as it was originally made).

the recesses are filled with ink and the surplus is cleaned off the non-printing area before the surface to be printed contacts the cylinder and lifts the ink from the recesses;

“rubber conversion” means—

- (i) any activity of mixing, milling, blending, calendaring, extrusion and vulcanisation of natural or synthetic rubber; and
- (ii) any ancillary operations for converting natural or synthetic rubber into a finished product;

“specified substances or mixtures” mean—

- (i) until 1st June 2015—
 - (aa) any substances or mixtures which because of their content of volatile organic compounds are classified as carcinogens, mutagens, or toxic to reproduction and are assigned or need to carry the risk phrases R45, R46, R49, R60 or R61, or under Regulation (EC) No 1272/2008, are assigned or need to carry the hazard statement H340, H350, H350i, H360D, or H360F; and
 - (bb) halogenated organic compounds which are assigned or need to carry the risk phrases R40 or R68 or the hazard statements H341 or H351; or
- (ii) from 1st June 2015, any substances or mixtures which because of their content of volatile organic compounds are classified as carcinogens, mutagens, or toxic to reproduction under Regulation (EC) No 1272/2008(2), and are assigned or need to carry the hazard statement H340, H350, H350i, H360D or H360F or halogenated volatile organic compounds which are assigned or need to carry the hazard statements H341 or H351;

“surface cleaning” means any activity, except dry cleaning, using organic solvents to remove contamination from the surface of material including degreasing but excluding the cleaning of equipment; and a cleaning activity consisting of more than one step before or after any other activity shall be considered as one surface cleaning activity;

“vehicle coating” means a coating activity applied to the following vehicles—

- (i) new cars, defined as vehicles of category M1 in Directive 70/156/EEC, and of category N1 in so far as they are coated at the same installation as M1 vehicles;
- (ii) truck cabins, defined as the housing for the driver, and all integrated housing for the technical equipment, of vehicles of categories N2 and N3 in Directive 70/156/EEC;
- (iii) vans and trucks, defined as vehicles of categories N1, N2 and N3 in Directive 70/156/EEC, but not including truck cabins; or
- (iv) buses, defined as vehicles in categories M2 and M3 in Directive 70/156/EEC;

“varnish” means a transparent coating;

“varnishing” means an activity by which varnish or an adhesive coating for the purpose of sealing the packaging material is applied to a flexible material;

“vegetable oil and animal fat extraction and vegetable oil refining activities” means any activity to extract vegetable oil from seeds and other vegetable matter, the processing of dry residues to produce animal feed, the purification of fats and vegetable oils derived from seeds, vegetable matter or animal matter;

“vehicle refinishing” means any industrial or commercial coating activity and associated degreasing activities performing—

- (i) the original coating of road vehicles as defined in Directive 70/156/EEC or part of them with refinishing-type materials, where this is carried out away from the original manufacturing line; or

(2) O.J. No.L353, 31.12.2008, p.1

(ii) the coating of trailers (including semi-trailers) (category O);

“web-fed” means that the material to be printed is fed to the machine from a reel as distinct from separate sheets;

“winding wire coating” means any coating activity of metallic conductors used for winding the coils in transformers and motors etc;

“wood and plastic lamination” means any activity to adhere together wood or plastic to produce laminated products;

“wood impregnation” means any activity giving a loading of preservative in timber.