

## SCHEDULE 1

### ACTIVITIES, INSTALLATIONS AND MOBILE PLANT

#### PART 1:

#### ACTIVITIES

#### Chapter 4—The Chemical Industry

##### *Section 4.1—Organic Chemicals*

#### **Part A(1)**

- (a) Producing organic chemicals such as—
- (i) hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic);
  - (ii) organic compounds containing oxygen, such as alcohols, aldehydes, ketones, carboxylic acids, esters, ethers, peroxides, phenols, epoxy resins;
  - (iii) organic compounds containing sulphur, such as sulphides, mercaptans, sulphonic acids, sulphonates, sulphates and sulphones and sulphur heterocyclics;
  - (iv) organic compounds containing nitrogen, such as amines, amides, nitrous-, nitro- or azo-compounds, nitrates, nitriles, nitrogen heterocyclics, cyanates, isocyanates, di-isocyanates and di-isocyanate prepolymers;
  - (v) organic compounds containing phosphorus, such as substituted phosphines and phosphate esters;
  - (vi) organic compounds containing halogens, such as halocarbons, halogenated aromatic compounds and acid halides;
  - (vii) organometallic compounds, such as lead alkyls, Grignard reagents and lithium alkyls;
  - (viii) plastic materials, such as polymers, synthetic fibres and cellulose-based fibres;
  - (ix) synthetic rubbers;
  - (x) dyes and pigments;
  - (xi) surface-active agents.
- (b) Producing any other organic compounds not described in paragraph (a).
- (c) Polymerising or co-polymerising any unsaturated hydrocarbon or vinyl chloride (other than a pre-formulated resin or pre-formulated gel coat which contains any unsaturated hydrocarbon) which is likely to involve, in any period of 12 months, the polymerisation or co-polymerisation of 50 tonnes or more of any of those materials or, in aggregate, of any combination of those materials.
- (d) Any activity involving the use in any period of 12 months of one tonne or more of toluene di-isocyanate or other di-isocyanate of comparable volatility or, where partly polymerised, the use of partly polymerised di-isocyanates or prepolymers containing one tonne or more of those monomers, if the activity may result in a release into the air which contains such a di-isocyanate monomer.
- (e) The flame bonding of polyurethane foams or polyurethane elastomers.
- (f) Recovering—
- (i) carbon disulphide;

**Status:** This is the original version (as it was originally made).

- (ii) pyridine or any substituted pyridine.
- (g) Recovering or purifying acrylic acid, substituted acrylic acid or any ester of acrylic acid or of substituted acrylic acid.

**Part A(2)**

Nil.

**Part B**

- (a) Unless falling within Part A(1) of this Section, any activity involving in any period of 12 months—
  - (i) the use of less than 1 tonne of toluene di-isocyanate or other di-isocyanate of comparable volatility or, where partially polymerised, the use of partly polymerised di-isocyanates or prepolymers containing less than 1 tonne of those monomers; or
  - (ii) the use of 5 tonnes or more of diphenyl methane di-isocyanate or other di-isocyanate of much lower volatility than toluene di-isocyanate or, where partly polymerised, the use of partly polymerised di-isocyanates or prepolymers containing 5 tonnes or more of these less volatile monomers,where the activity may result in a release into the air which contains such a di-isocyanate monomer.
- (b) Cutting polyurethane foams or polyurethane elastomers with heated wires.
- (c) Any activity for the polymerisation or co-polymerisation of any pre-formulated resin or pre-formulated gel coat which contains any unsaturated hydrocarbon, where the activity is likely to involve, in any period of 12 months, the polymerisation or co-polymerisation of 100 tonnes or more of unsaturated hydrocarbon.

**Interpretation of Section 4.1**

In this Section, “pre-formulated resin or pre-formulated gel coat” means any resin or gel coat which has been formulated before being introduced into polymerisation or co-polymerisation activity, whether or not the resin or gel coat contains a colour pigment, activator or catalyst.