

7. After the inclusion of the existing data and data which is considered urgent by various countries, the next step would be the inclusion of additional data on families in the Schedule 1.

8. Further additions to the data base of other scheduled chemicals should continue by the Technical Secretariat. All chemicals which are declared under the Convention as chemical weapons should be included immediately. Any chemicals which are added to schedules after the entry into force of the Convention should also be included as soon as possible.

1.1. Compound Data

9. For each compound the following data should be included, as available, after technical review:

- chemical names (IUPAC, CAS), common names, CAS-numbers, molecular formula, structural formula;

- physical constants at given purity, indicating the important differences between pure and technical grade chemicals: physical state, colour, boiling point, melting point, diffusion coefficient, liquid density, vapour pressure, specific heat, surface tension, volatility, viscosity, solubility and partition coefficient;

- chemical properties: chemical half life, hydrolysis rate;

- toxicity data: species, application method, dose unit, dose value

- source(s) of data for each parameter separately;

10. The Group considered it important to have data on typical impurities and by-products formed during the different production routes of schedule 1 chemicals. Sensitive data should, however, be protected from unauthorized access.

1.2. Identification data

11. The Group discussed the data base requirements for the techniques identified in the first report of the Technical Group on Instrumentation (CD/CW/WP.272). These techniques are: gas chromatography (GC), high performance liquid chromatography (HPLC), mass spectrometry (MS), infrared spectrometry (IR), nuclear magnetic resonance spectrometry (NMR), and the non-destructive measurement technology. In addition to these, thin-layer chromatography (TLC), ion mobility spectrometry (IMS) and super-critical fluid chromatography (SFC) were discussed.

12. It is recommended that existing data be submitted by laboratories. Data submitted should include details of recording conditions, sample purity etc. in order to facilitate critical evaluation before inclusion in the data base. When evaluating the data, expert groups could use quality indices published by various scientific societies.

13. In order to facilitate evaluation of the available data in the