

Introduction

The purpose of this Handbook is to bring together information on all chemicals listed in the schedules of the Chemical Weapons Convention (CWC) in a way which will be of use to developing National Authorities in countries which intend to become States Parties. It will also be of use to the Preparatory Commission and ultimately to the International Organization for the Prohibition of Chemical Weapons (OPCW) established under the CWC.

Each entry gives physical properties, synthesis, toxicology, uses and suppliers where such information is available for compounds listed by name. Further work will have to be done on the entries in the Schedules that list families of chemicals.

Annex 1 develops a literature base for materials that appear in Schedule 2 and these expand upon the information given in the specific entry. The twelve tables in this annex show the distribution of the citations among university, industry and government; the countries that are actively involved in research into these compounds; the distribution between research papers and patents; and finally an assessment of the distribution of research among science, technology and toxicology.

Table A is an indication of the level of worldwide industrial activity in Schedule 2 and 3 chemicals. This Directory shows that 5,265 companies in 60 countries are willing to provide chemicals commercially. Some of the companies listed may be suppliers rather than primary producers.

Table B shows that there are 11 countries with a total of 42 companies who can supply Schedule 2 chemicals commercially. Table C shows that 198 companies in 20 countries are able to supply Schedule 3 chemicals at this time. These numbers are indicative of the magnitude of the inspection problem that the OPCW will have in monitoring activities related to scheduled chemicals under the Chemical Weapons Convention.

Table D shows the actual number of literature citations that mention chemicals contained in the Schedules in the period from 1965 until the present day. There are over 43,000 literature citations in Chemical Abstracts.

Table E is an initial attempt to indicate the possible relationship with the pesticide industry in that it is a major consumer of raw materials of potential interest to the CWC and in that it has considerable expertise in organophosphorus chemistry.

Table F lists the sources of information used in compiling this Handbook.