

THE UNIVERSITY OF SUSSEX

LOCAL RULES FOR THE CONTROL OF POISONS
and OTHER REGULATED CHEMICALS

SPG -09-09

Contains

Section 1 – Poisons

Section 2 – Controlled Drugs

Section 3 – Drug Precursors

Section 4 – Chemical Weapons

INTRODUCTION

To comply with the requirements of the Management of Health and Safety at Work Regulations 1992 (Management Regs) a hazard and risk assessment must be made for all work activities.

Each hazard and risk assessment must include all the hazards and foreseeable risks associated with each activity. As part of these overall assessments required by the Management Regulations will be the consideration of any hazards and risks which may arise from any substances (chemicals, biological agents) involved. This latter part of the assessment is specifically required to comply with the Control of Substances Hazardous to Health (COSHH) Regulations.

All chemicals have some degree of hazard associated with them. Certain chemicals are sufficiently hazardous that they are controlled by specific legislation, e.g. the Poisons Act, or the Chemical Weapons Act whilst others are potential drug precursors or sufficiently hazardous that their use requires strict control measures

The Local Rules for the Control of Poisons and other regulated chemicals are designed to establish the specific systems of control required for safe working with those extremely toxic materials which have been assessed as falling within the substances identified in as (1) **poisons**, (2) **controlled drugs, category 1 and 2 drug precursors** or substances covered by the (3) **Chemical Weapons Convention** . It should be noted that many poisons are included by virtue of their extreme toxicity. As an example a list of controlled substances can be found in appendix 1 and chemical weapons can be found in appendix 2. The list in appendix 1 has been provided by Fisher Scientific and shows the category and documentation required (please note that this list is not exhaustive).

Basic Responsibilities of Users of regulated substances

The basic aim is to be aware of the potential danger in these compounds, **to ensure that they cannot easily fall into the hands of unauthorised persons and to ensure that they do not harm fellow workers or visitors to the laboratory or indeed the wider community.**

When working with poisons/other hazardous chemicals, users must take care to ensure that these compounds do not enter the body by injection, ingestion, inhalation or skin absorption.

Users must familiarise themselves with the toxic properties of, and the antidote for (if one is available) the particular compound they are using. Antidotes are very rarely readily available, this information may be required by a Hospital in the event of a serious incident.

Members of Faculty or Directors of Units must provide the necessary **safety advice and supervision** of work involving controlled substances in research and teaching situations for which they are responsible. In non research/teaching buildings senior managers are responsible for ensuring that work with poisons and other controlled substances is effectively controlled.

1. Poisons

These are substances subject to the provisions of the Poisons Act, and the The Poisons (Amendment) Rules both of which have been subjected to a number of amendments.

Purchase of Poisons

Most suppliers will require that orders for scheduled poisons are accompanied by a signed letter on University headed notepaper which provides the purchasers authority, their full name and address, profession and the purpose for which the substances are required. A copy of this letter should be stored locally and a copy should be sent to the University Health and Safety Office

Storage

Some substances have very strict requirements as their use and storage. A number require storage in a locked cabinet with the key only being made available to a member of staff designated by the Head of School, Director of Unit or their nominee. All use must be recorded and once a year an internal audit of these substances must be undertaken and returns sent to the School Safety Advisor with a copy to the University Safety Office. We are subject to regular audits of our purchase and use of poisons and therefore accurate record keeping is essential. In general it should be taken that any substance that requires a licence should be stored and recorded in this manner.

Any loss or theft should immediately be reported to the University Safety Office.

All work with poisons must be under the control of a senior manager and therefore Risk and CoSHH assessments relating to this work **must** be approved by the Head of School, Director of Unit or their nominee.

Disposal

Disposal should be carried out according to the CoSHH assesement.

2. Controlled drugs

Classification

Under the Misuse of Drugs Regulations 2001, Controlled Drugs are classified into five Schedules according to the required level of control.

<http://www.opsi.gov.uk/si/si2001/20013998.htm>

Schedule 1 drugs

- Schedule 1 includes hallucinogenic drugs, ecstasy and cannabis.
- These drugs are subject to safe custody requirements and should be stored in a suitable locked cabinet secured to the fabric of the building at all times.
- Receipt and supply of Schedule 1 Controlled Drugs must be recorded in a Controlled Drugs Register.
- Written requisitions must be supplied to wholesalers.
- Destruction of Schedule 1 Controlled Drugs must be witnessed by an independent member of senior staff. A record of date, amount destroyed, and method of destruction should be entered into the register and countersigned by the witness.

Schedule 2 drugs

- Schedule 2 includes morphine, pethidine, fentanyl, alfentanil, methadone, the amphetamines and secobarbital, cocaine.
- These drugs are subject to safe custody requirements and should be stored in a suitable locked cabinet secured to the fabric of the building at all times.
- Receipt and supply of Schedule 2 Controlled Drugs must be recorded in a Controlled Drugs Register.
- Written requisitions must be supplied to wholesalers.
- Destruction of Schedule 2 Controlled Drugs must be witnessed by an independent member of senior staff. A record of date, amount destroyed, and method of destruction should be entered into the register and countersigned by the witness.

Schedule 3 drugs

- Schedule 3 includes buprenorphine, pentobarbital, phenobarbital, midazolam and some minor stimulants, including benzphetamine.
- These drugs are subject to safe custody requirements (with some exceptions) but do not have to be recorded in the Controlled Drugs Register.
- Written requisitions must be supplied to wholesalers.
- Destruction of Schedule 3 Controlled Drugs must be witnessed by an independent member of senior staff. A record of date, amount destroyed, and method of destruction should be entered into the register and countersigned by the witness.

Schedule 4 drugs

- Schedule 4 is split into two parts: part I includes benzodiazepines and ketamine; part II contains anabolic and androgenic steroids.
- They are not subject to safe custody requirements. However, it is recommended that it is stored in the Controlled Drugs cabinet and its use recorded in an informal Register.

Schedule 5 drugs

- Schedule 5 includes preparations of certain Controlled Drugs, such as codeine and morphine, which are exempt from full control when present in medicinal products of low strength.
- They are exempt from all Controlled Drug requirements, other than the requirement to keep invoices for 5 years.

Summary of legal requirements

Legal requirements	Schedule 1&2 drugs	Schedule 3 drugs	Schedule 4 drugs: part I	Schedule 4 drugs: part II	Schedule 5 drugs
Safe custody	Yes(a)	Yes (b)	No	No	No
Record in Controlled Drug Register	Yes	No	No	No	No

(a) = Except secobarbital.

(b) = Although safe custody requirements apply, currently most Schedule 3 Controlled Drugs are exempted. Those requiring safe custody are buprenorphine, temazepam, flunitrazepam, diethylpropion and midazolam.

A search can be performed to check the legal class of veterinary and human medicines, using the generic name of the drug. [Click here](#) to access The Royal Pharmaceutical Society of Great Britain (RPSGB) online search.

Purchase of controlled drugs

Suppliers will require that orders for controlled drugs are accompanied by a signed letter on University headed notepaper which provides the purchasers authority, their full name and address, profession and the purpose for which the substances are required. A copy of this letter should be stored locally and a copy should be sent to the University Health and Safety Office.

Each order passed to stores should be clearly marked that the goods on order are controlled substances. On delivery of these goods stores will record details of delivery in the log book and immediately contact the person responsible for the order. The goods will only be handed to the responsible person and a signature for the goods must be obtained. The cabinet register must be countersigned by stores on handover.

Storage of controlled drugs

- Schedule 1, 2 and 3 Controlled Drugs should be kept in a locked cabinet. This cabinet should conform to British Standards and be attached to the fabric of the building.
- Access to the Controlled Drugs cabinet should be restricted, with keys kept by a responsible person(s) at all times. It is not acceptable to have a communal key kept in a drawer or other non-secure place.
- A key register can be used to pass responsibility from one key holder to another, e.g. for overnight and during the day.
- Non-compliance with the Misuse of Drugs Regulations 2001, may lead to prohibition of keeping Controlled Drugs by the Home Office.



Record keeping for use of controlled drugs

- When ordering Schedule 1, 2 and 3 Controlled Drugs, a written signed requisition must be supplied to the wholesaler, a copy of which must be kept locally.
- All invoices relating to Controlled Drugs should be kept for 2 years.
- A separate Register should be kept for each premises and for each cupboard within a premises if there is more than one. This Register should be in the form of a bound book or computerized record.
- Within this Register, each drug, form and strength must have a separate section with the medicine name and strength written at the top of each page.
- Entries must be made in chronological order with no alterations. If a mistake is made, an explanatory note must be made at the bottom of the page or margin.
- Registers may only be kept electronically if safeguards are built into the software to ensure the following:
 - The author of each entry is identifiable
 - Entries cannot be altered at a later date
 - A log of date entered is kept and can be recalled for audit purposes.
- The Register must be completed within 24 hours. For example, it is acceptable during procedures to mark on a white board the quantities administered and complete the Register at the end of the day.

- Legally the Register should be kept for 2 years; however, it is recommended that they are kept for 5 years.

Controlled Drugs Register

On receipt the following information should be recorded in the Controlled Drugs Register:

Date received

- Name and address of the person or supplier from whom the drug was obtained
- Amount received
- Form in which received
- Running total (recommended).

Standard operating procedures

There should be in place standard operating procedures (SOPs) that cover the following:

- Who has access to the Controlled Drugs
- Where the Controlled Drugs are stored
- Security in relation to the storage and transportation of Controlled Drugs
- Who is to be alerted should complications arise
- Record keeping, including maintaining the Controlled Drugs Register and maintaining a record of Controlled Drugs returned by clients.
- All work with controlled drugs must be under the control of a senior manager and therefore Risk and CoSHH assessments relating to this work **must** be approved by the Head of School, Director of Unit or their nominee. Copies of these must be sent to the University Safety Office and a copy must be held locally.

Destruction of Controlled Drugs

Controlled Drugs awaiting destruction should be stored separately from current stock but within the Controlled Drugs cabinet.

- A separate book should be kept to record destruction of these products.
- Destruction of out-of-date Controlled Drugs must be witnessed by someone authorized by the Home Office, such as a local police officer.
- An entry must be made in the Controlled Drugs Register detailing the items destroyed and the running total updated. This entry must be signed by the authorized witness.
- Method of destruction:
- Use a denaturing kit where possible
- Wear gloves
- Crush solid dosage forms in mortar and pestle and add to the denaturing kit
- Pour in liquids
- Add parenteral preparations, open ampoules and empty into denaturing kit, and remove medicines from vials
- Fill denaturing kit with water and store in the Controlled Drugs cupboard for 24 hours until denaturing is complete
- Incinerate with other pharmaceutical waste.

3. Drug precursors

Following a review in the European Union of the effectiveness of illicit drug precursor control, regulations have been produced which are primarily concerned with controlling trade in such chemicals. The legislation is a small part of a worldwide legal structure designed to

monitor the trade in licit substances that can be used in the manufacture of illegal drugs (“precursors”) to prevent their leakage on to the illicit market or for illicit purposes. These chemicals are classed as either Category 1, 2 or 3. The University requires a licence from the Home Office to order Category 1 drug precursors, a licence is not required for ordering Category 2 chemicals. Category 3 substances are **not** relevant to the University as they relate specifically to the export of substances abroad.

All work with these compounds must be under the control of a senior manager and therefore Risk and CoSHH assessments relating to this work **must** be approved by the Head of School, Director of Unit or their nominee.

The University is required to submit an annual report to the Home Office on the use of Category 1 and 2 substances. Declaration of Specific Use Forms and Records of Supply of Category 1 and 2 Substances should be held for at least 12 months after the final disposal of the consignment to which they relate

(i) Category 1 Substances

Staff wishing to purchase Category 1 substances covered under the current University licence should contact the University Safety Office for the licence number or a copy of the license (if requested by the supplier).

They will then be required to complete a Declaration of Specific Use(s) Form which can be obtained from the Home Office website by following the relevant link below:

[Customer declaration of specific uses of the scheduled category 1 or 2 substances \(individual transactions\)](#)

[Customer declaration of specific uses of the scheduled category 2 substances \(multiple transactions\)](#)

A completed copy of this form should be held locally and further copies forwarded to the University Safety Office and the School Safety Adviser.

A [Record of Supply and Use of Category 1 and 2 Substances](#) should also be completed and a copy held locally and a further copy forwarded to the School Safety Adviser.

Each order passed to stores should be clearly marked that the goods order are controlled substances. On delivery of these goods stores will record details of delivery in the log book and immediately contact the person responsible for the order. The goods will only be handed to the responsible person and a signature for the goods must be obtained. The laboratory record book must be countersigned by stores on handover.

Category 1 substances must be securely stored in a locked cabinet when not in use, with the key only being made available to a member of staff designated by the Head of School, Director of Unit or their nominee. It is recommended that amounts of these substances held on site is kept to a minimum. All use must be recorded and once a year an internal audit of these substances must be undertaken and returns sent to the School Safety Advisor with a copy to the University Safety Office.

Only authorised persons should have access to Category 1 substances.

Any loss or theft of Category 1 substances should immediately be reported to the University Safety Office.

(ii) Category 2 Substances

School members wishing to purchase Category 2 substances are required to complete a Declaration of Specific Use(s) Form (as above). A completed copy of this form should be held locally and further copies forwarded to the University Safety Office and the School Safety Adviser.

A Record of Supply of Category 1 and 2 Substances should also be completed and a copy held locally and a further copy forwarded to the School Safety Adviser.

Category 2 substances should so far as is reasonably practicable be securely stored.

Supply of drug precursors to outside parties

If anyone wishes to supply Category 1 substances to parties outside the University they MUST contact the University Safety Office BEFORE doing so – additional requirements will apply.

Disposal

The disposal of category 1 and 2 chemicals is not subject to licensing requirements, so disposal operations may be carried out in the normal way.

4. Chemical weapons convention

The Chemical Weapons Convention (CWC) which entered into force on 29 April 1997, is an international arms control treaty, designed to eliminate an entire class of weapons of mass destruction. However, as many chemicals with legitimate peaceful uses can also be used as chemical weapons, the CWC has implications for both industry and the academic community. The University has to provide annual returns of its use of these chemicals therefore accurate records must be kept.

Schedule 1

No one may bring on to University premises any substances listed in Schedule 1 without contacting the University Safety Office.

Schedule 2

All Departments who produce, process, consume, import or export any substances or mixtures of substances listed in Schedule 2 (Appendix 3) must, as of 1 January 2004, keep the following records

- Chemical name, including CAS number (if known);
- The amounts produced, processed, consumed;
- The amounts imported or exported during the year, and the countries from which it was imported/exported. (A total amount for each chemical from each country will need to be compiled at the end of each calendar year);

- If contained in a mixture the mixture and percentage concentration must also be provided
- Details of the company which the substance was purchased from or exported to

Schedule 3

All Departments who produce, import or export any substances or mixtures of substances listed in Schedule 3 (Appendix 3) must, as of 1st January 2004, keep the following records

- Chemical name, including CAS number (if known);
- The amounts imported or exported during the year, and the countries from which it was imported/exported. (A total amount for each chemical from each country will need to be compiled at the end of each calendar year);
- If contained in a mixture the mixture and percentage concentration must also be provided
- Details of the company which the substance was purchased from or exported to

Appendix 1

This list is not exhaustive and is subject to change in legislation, if in doubt ask the Safety Office. To find a chemical you can use the Microsoft Word Find option under Edit.

DESCRIPTION	RESTRICTION TYPE	Documentation Required
1-(O-ARSENOPHENYLAZO)-2-NAPHTHOL-3,6-DISULFONIC ACID,SODIUM SALT	SCHEDULE 1 POISON	
1,1,1-TRICHLOROETHANE	OZONE DEPLETER	Registration required
1,2,4-TRICHLOROBENZENE	ENVIRONMENTALLY SENSITIVE	
1,2-TRICHLORO-1,2,2,TRIF	OZONE DEPLETER	Registration required
111,TRICHLOROETHANE	OZONE DEPLETOR	Registration required
112-TRICHLORO-122-TRIFLUOROETHANE	OZONE DEPLETOR	Registration required
1-STRYCHNINE	SCHEDULE 1 POISON	
2-(3,4-DIMETHOXYPHENYL)-ETHYLAMINE	MISUSE OF DRUGS	Licence required
2-(3,4-DIMETHOXYPHENYL)ETHYLAMINE	MISUSE OF DRUGS	Licence required
2-(4-CHLOROPHENYL)ETHYLAMINE	MISUSE OF DRUGS	Licence required
2,3-DICHLOROPHENYLETHYLAMINE	MISUSE OF DRUGS	Licence required
2,4-DICHLOROPHENYLETHYLAMINE	MISUSE OF DRUGS	Licence required
2,5-DIMETHOXYPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
2,6-DICHLOROPHENYLETHYLAMINE	MISUSE OF DRUGS	Licence required
2,6-DINITRO-P-CRESOL	SCHEDULE 1 POISON	
2-BROMOPHENYLETHYLAMINE	MISUSE OF DRUGS	Licence required
2-CHLORO-6-FLUOROPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
2-FLUOROPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
2-HYDROXY GAMMA BUTYROLACTONE	DRUGS PRECURSOR	
2-METHOXYPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
3,4-DICHLOROPHENYLETHYLAMINE	MISUSE OF DRUGS	Licence required
3-BROMOPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
3-BROMOPHENYLETHYLAMINE	MISUSE OF DRUGS	Licence required
3-FLUOROPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
3-METHOXYPHENYLETHYLAMINE	MISUSE OF DRUGS	Licence required
3-METHYLPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
3-O-METHYLDOPAMINE	MISUSE OF DRUGS	Licence required
4,6-DINITRO-0-CRESOL	SCHEDULE 1 POISON	
4-0-METHYLDOPAMINE	MISUSE OF DRUGS	Licence required
4-4-AMINOPHENYLAZO PHENYLARSONIC ACID	SCHEDULE 1 POISON	
4-BROMOPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
4-BROMOPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
4-FLUOROPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
ACETIC ANHYDRIDE	DRUGS PRECURSOR	
ACETYLANTHRANILIC ACID	DRUGS PRECURSOR	
AFLATOXIN	TOXIN	
AMINO BUTYROLACTONE	DRUGS PRECURSOR	
AMINOPHENYLMERCURICACETATE	SCHEDULE 1 POISON	
AMMONIUMORTHOARSENATE	SCHEDULE 1 POISON	
ANDROSTENEDIOLHYDRATE	STEROID	Licence required
ANDROSTERONE	STEROID	Licence required
ANTHRANILIC ACID	DRUGS PRECURSOR	
ARSENIC	SCHEDULE 1 POISON	

ARSENIC SULFIDE	SCHEDULE 1 POISON	
ARSENIC BROMIDE	SCHEDULE 1 POISON	
ARSENIC IODIDE	SCHEDULE 1 POISON	
ARSENIC OXIDE	SCHEDULE 1 POISON	
ARSENIC TRIOXIDE	SCHEDULE 1 POISON	
ATROPINESULFATEMONOHYDRA	SCHEDULE 1 POISON	
BARBITONE	MISUSE OF DRUGS	Licence required
BARIUM	SCHEDULE 1 POISON	
BARIUM -2- ETHYLHEXANOATE	SCHEDULE 1 POISON	
BARIUM ACETATE	SCHEDULE 1 POISON	
BARIUM BROMIDE	SCHEDULE 1 POISON	
BARIUM CARBONATE	SCHEDULE 1 POISON	
BARIUM CHLORIDE	SCHEDULE 1 POISON	
BARIUM CHLOROANILATE TRIHYDRATE	SCHEDULE 1 POISON	
BARIUM CYCLOHEXANEBUTYRATE	SCHEDULE 1 POISON	
BARIUM DECANOATE	SCHEDULE 1 POISON	
BARIUM DIPHENYLAMINE-4-SULFONATE	SCHEDULE 1 POISON	
BARIUM DIPHENYLAMINESULFONATE	SCHEDULE 1 POISON	
BARIUM FLUORIDE	SCHEDULE 1 POISON	
BARIUM HYDROXIDE	SCHEDULE 1 POISON	
BARIUM HYDROXIDE HYDRATE	SCHEDULE 1 POISON	
BARIUM IODIDE	SCHEDULE 1 POISON	
BARIUM MANGANATE	SCHEDULE 1 POISON	
BARIUM METABORATE MONOHY	SCHEDULE 1 POISON	
BARIUM NITRATE	SCHEDULE 1 POISON	
BARIUM OXIDE	SCHEDULE 1 POISON	
BARIUM PERCHLORATE	SCHEDULE 1 POISON	
BARIUM PEROXIDE	SCHEDULE 1 POISON	
BARIUM SULFATE	SCHEDULE 1 POISON	
BARIUM TITANATE	SCHEDULE 1 POISON	
BENZYL METHYL KETONE	DRUGS PRECURSOR	Licence required
BERYLLIUM POWDER	SCHEDULE 1 POISON	
BERYLLIUMFLUORIDE	SCHEDULE 1 POISON	
BORONTRIBROMIDE	SCHEDULE 1 POISON	
BORONTRICHLORIDE SOLUTION	SCHEDULE 1 POISON	
BROMOFLUOROETHANE	OZONE DEPLETOR	Registration required
BROMOFLUOROMETHANE	OZONE DEPLETOR	Registration required
BROMOTRIFLUOROPROPANE	OZONE DEPLETER	Registration required
BRUCINE	SCHEDULE 1 POISON	
BUTANEDIOL	DRUGS PRECURSOR	
BUTANETRIOL	DRUGS PRECURSOR	
BUTYROLACTONE	DRUGS PRECURSOR	
CACODYLIC ACID	SCHEDULE 1 POISON	
CARBON TETRACHLORIDE	SCHEDULE 1 POISON	
CHLORANILIC ACID	SCHEDULE 1 POISON	
CHLOROFLUOROPROPANE	OZONE DEPLETOR	Registration required
CHLOROMERCURINITROPHENOL	SCHEDULE 1 POISON	
CHLOROPHENYLETHYLAMINE	MISUSE OF DRUGS	Licence required
CHLOROPHENYLTHIOUREA	SCHEDULE 1 POISON	
COPPER (1) CYANIDE	SCHEDULE 1 POISON	
CYCLOHEXIMIDE	SCHEDULE 1 POISON	
DEHYDROISOANDROSTERONE	STEROID	Licence required
DIBROMODIFLUOROETHANE	OZONE DEPLETER	Registration required

DIFLUORONITROBENZENE,	OZONE DEPLETER	Registration required
DIMETHOXYTRYPTAMINE	MISUSE OF DRUGS	Licence required
DIMETHYLHYDROXYPHENETHYL	MISUSE OF DRUGS	Licence required
DIMETHYLPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
EPHEDRINE	DRUGS PRECURSOR	Licence required
EPHEDRINE HYDROCHLORIDE	DRUGS PRECURSOR	Licence required
EPHEDRINE SULFATE	DRUGS PRECURSOR	Licence required
ETHANOL	DUTY FREE SPIRITS	Licence required
ETHANOL, DENATURED	DUTY FREE SPIRITS	Licence required
ETHYL ALCOHOL	DUTY FREE SPIRITS	Licence required
ETHYLPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
FLUROACETAMIDE	SCHEDULE 1 POISON	
FLUOROTRICHLOROMETHANE	OZONE DEPLETOR	Registration required
FLUOXYMESTRONE	STEROID	Licence required
FORMAMIDE	DRUGS PRECURSOR	
GAMMA BUTYROLACTONE	DRUGS PRECURSOR	
HEXAMETHYLENEIMINE	SCHEDULE 1 POISON	
HYDROXYBUTYRIC ACID	DRUGS PRECURSOR	
HYDROXYBUTYRIC ACID SODIUM SALT	DRUGS PRECURSOR	
HYDROXYMETHYLTESTOSTERONE	STEROID	Licence required
ISOSAFROL	DRUGS PRECURSOR	Licence required
LYSERGIC ACID	DRUGS PRECURSOR	Licence required
MERCURIC ACETATE	SCHEDULE 1 POISON	
MERCURIC TRIFLUOROACETATE	SCHEDULE 1 POISON	
MERCUROCHROME	SCHEDULE 1 POISON	
MERCURY (1) NITRATE	SCHEDULE 1 POISON	
MERCURY (11) ACETATE	SCHEDULE 1 POISON	
MERCURY (11) CHLORIDE	SCHEDULE 1 POISON	
MERCURY (11) CYANIDE	SCHEDULE 1 POISON	
MERCURY (11) IODIDE	SCHEDULE 1 POISON	
MERCURY (11) NITRATE	SCHEDULE 1 POISON	
MERCURY (11) OXYCYANIDE	SCHEDULE 1 POISON	
MERCURY CYCLOHAXANEBUTYRATE	SCHEDULE 1 POISON	
MERCURY THIOCYANATE	SCHEDULE 1 POISON	
MERCURY(11) NITRATE	SCHEDULE 1 POISON	
MERCURYCHLORIDE	SCHEDULE 1 POISON	
MERCURYIIOXIDEYELLOW	SCHEDULE 1 POISON	
MERCURYIISULFATE	SCHEDULE 1 POISON	
MERCURYOXIDE	SCHEDULE 1 POISON	
MERCURYSULFATE	SCHEDULE 1 POISON	
MERCURYSULFIDE	SCHEDULE 1 POISON	
METHYLATED SPIRITS	DUTY FREE SPIRITS	Authorisation required
METHYLFORMAMIDE	DRUGS PRECURSOR	
METHYLPHENETHYLAMINE	MISUSE OF DRUGS	Licence required
METHYLTESTOSTERONE	STEROID	Licence required
METHYLTHIOCYANATE	SCHEDULE 1 POISON	
METHYLTRYPTAMINE	MISUSE OF DRUGS	Licence required
NAPHTHYLTHIOUREA	SCHEDULE 1 POISON	
NESSLERS SOLN	SCHEDULE 1 POISON	
NICOTINE	SCHEDULE 1 POISON	
NICOTINE DITARTRATE	SCHEDULE 1 POISON	
NICOTINE SULFATE	SCHEDULE 1 POISON	

NNDIMETHYLHYDROXYPHENETH	MISUSE OF DRUGS	Licence required
NOREPHEDRINE	DRUGS PRECURSOR	Licence required
OSMIUM TETRAOXIDE	SCHEDULE 1 POISON	
OSMIUMTETROXIDE	SCHEDULE 1 POISON	
PHENYLACETIC ACID	DRUGS PRECURSOR	
PHENYLACETICACIDHYDRAZID	DRUGS PRECURSOR	
PHENYLACETONE	DRUGS PRECURSOR	Licence required
PHENYLMERCURY ACETATE	SCHEDULE 1 POISON	
PIPERIDINE	DRUGS PRECURSOR	
PIPERONAL	DRUGS PRECURSOR	Licence required
POTASSIUM PERMANGANATE	DRUGS PRECURSOR	
PSEUDOEPHEDRINE	DRUGS PRECURSOR	Licence required
PSEUDOEPHEDRINE HYDROCHLORIDE	DRUGS PRECURSOR	Licence required
SAFROLE	DRUGS PRECURSOR	Licence required
SAXITOXIN	TOXIN	
SCOPOLAMINE	SCHEDULE 1 POISON	
SELENIOS ACID,	SCHEDULE 1 POISON	
SEMICARBAZIDE,	SCHEDULE 1 POISON	
SEMICARBAZIDEHYDROCHLORIDEPA	SCHEDULE 1 POISON	
SILVER CYANIDE	SCHEDULE 1 POISON	
SODIUM ARSENATE	SCHEDULE 1 POISON	
SODIUM ARSENITE	SCHEDULE 1 POISON	
SODIUM CACODYLATE	SCHEDULE 1 POISON	
SODIUM CYANIDE	SCHEDULE 1 POISON	
SODIUMSELENITE	SCHEDULE 1 POISON	
TESTOSTERONE	STEROID	Licence required
TETRACYANOETHYLENE,	SCHEDULE 1 POISON	
TETRAPHENYLARSONIUM CHLORIDE	SCHEDULE 1 POISON	
TETRODOTOXIN	TOXIN	
TETRODOTOXINCITRATEFREE	TOXIN	
THALLIC ACETATE	SCHEDULE 1 POISON	
THALLIC TRIFLUOROACETATE	SCHEDULE 1 POISON	
THALLIUM	SCHEDULE 1 POISON	
THALLIUM (111) OXIDE	SCHEDULE 1 POISON	
THALLIUM (111)NITRATE	SCHEDULE 1 POISON	
THALLIUM BROMIDE	SCHEDULE 1 POISON	
THALLIUM CHLORIDE	SCHEDULE 1 POISON	
THALLIUM FLUORIDE	SCHEDULE 1 POISON	
THALLIUM NITRATE	SCHEDULE 1 POISON	
THALLIUM SULFATE	SCHEDULE 1 POISON	
THALLIUM(1)TRIFLUOROACETYLACETONATE	SCHEDULE 1 POISON	
THALLOUS ACETATE	SCHEDULE 1 POISON	
THALLOUS FORMATE	SCHEDULE 1 POISON	
THALLOUS MALONATE	SCHEDULE 1 POISON	
THALLOUETHOXIDE	SCHEDULE 1 POISON	
THIOSEMICARBAZIDE	SCHEDULE 1 POISON	
THORIN 1 INDICATOR GRADE	SCHEDULE 1 POISON	
TOLYLETHYLAMINE	MISUSE OF DRUGS	Licence required
TRICHLOROFLUOROMETHANE	OZONE DEPLETOR	Registration required
TRICHLOROTRIFLUOROETHANE	OZONE DEPLETER	Registration required
TRIETHYLENEMELAMINE	OZONE DEPLETER	Registration required
TRIFLUOROMETHYLPHENETHYL	MISUSE OF DRUGS	Licence required
TRIMETHYLTINCHLORIDE	SCHEDULE 1 POISON	

VALINOMYCIN	SCHEDULE 1 POISON	
ZINC CYANIDE	SCHEDULE 1 POISON	

Appendix 2

Schedule 1

A. Toxic chemicals

		(CAS Registry number)
(1)	O-Alkyl (<C10, incl. cycloalkyl) alkyl (Me, Et, n-Pr or i-Pr)-phosphonofluoridates	
	e.g. Sarin: O-Isopropyl methylphosphonofluoridate	(107-44-8)
	Soman: O-Pinacolyl methylphosphonofluoridate	(96-64-0)
(2)	O-Alkyl (<C10, incl. cycloalkyl) N,N-dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidocyanidates	
	e.g. Tabun: O-Ethyl N,N-dimethyl phosphoramidocyanidate	(77-81-6)
(3)	O-Alkyl (H or <C10, incl. cycloalkyl) S-2-dialkyl (Me, Et, n-Pr or i-Pr)-aminoethyl alkyl (Me, Et, n-Pr or i-Pr) phosphonothiolates and corresponding alkylated or protonated salts	
	e.g. VX: O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate	(50782-69-9)
(4)	Sulfur mustards:	
	2-Chloroethylchloromethylsulfide	(2625-76-5)
	Mustard gas: Bis(2-chloroethyl)sulfide	(505-60-2)
	Bis(2-chloroethylthio)methane	(63869-13-6)
	Sesquimustard: 1,2-Bis(2-chloroethylthio)ethane	(3563-36-8)
	1,3-Bis(2-chloroethylthio)-n-propane	(63905-10-2)
	1,4-Bis(2-chloroethylthio)-n-butane	(142868-93-7)
	1,5-Bis(2-chloroethylthio)-n-pentane	(142868-94-8)
	Bis(2-chloroethylthiomethyl)ether	(63918-90-1)
	O-Mustard: Bis(2-chloroethylthioethyl)ether	(63918-89-8)
(5)	Lewisites:	
	Lewisite 1: 2-Chlorovinyl dichloroarsine	(541-25-3)
	Lewisite 2: Bis(2-chlorovinyl)chloroarsine	(40334-69-8)
	Lewisite 3: Tris(2-chlorovinyl)arsine	(40334-70-1)

		(CAS Registry number)
(6)	Nitrogen mustards:	
	HN1: Bis(2-chloroethyl)ethylamine	(538-07-8)
	HN2: Bis(2-chloroethyl)methylamine	(51-75-2)
	HN3: Tris(2-chloroethyl)amine	(555-77-1)
(7)	Saxitoxin	(35523-89-8)
(8)	Ricin	(9009-86-3)

B. Precursors

		(CAS Registry number)
(9)	Alkyl (Me, Et, n-Pr or i-Pr) phosphonyldifluorides	
e.g. DF:	Methylphosphonyldifluoride	(676-99-3)
(10)	O-Alkyl (H or <C10, incl. cycloalkyl) O-2-dalkyl (Me, Et, n-Pr or i-Pr)-aminoethyl alkyl (Me, Et, n-Pr or i-Pr) phosphonites and corresponding alkylated or protonated salts	
e.g. QL:	O-Ethyl O-2-diisopropylaminoethyl methylphosphonite	(57856-11-8)
(11)	Chlorosarin: O-Isopropyl methylphosphonochloridate	(1445-76-7)
(12)	Chlorosoman: O-Pinacolyl methylphosphonochloridate	(7040-57-5)

Schedule 2

A. Toxic chemicals

		(CAS Registry number)
(1)	Amiton: O,O-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate and corresponding alkylated or protonated salts	(78-53-5)
(2)	PFIB: 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene	(382-21-8)
(3)	BZ: 3-Quinuclidinyl benzilate (*)	(6581-06-2)

B. Precursors

		(CAS Registry number)
(4)	Chemicals, except for those listed in Schedule 1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl (normal or iso) group but not further carbon atoms,	

	e.g Methylphosphonyl dichloride	(676-97-1)
	Dimethyl methylphosphonate	(756-79-6)
Exemption:	Fonofos:O-Ethyl S-phenyl ethylphosphonothiothionate	(944-22-9)
(5)	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidic dihalides	
(6)	Dialkyl (Me, Et, n-Pr or i-Pr) N,N-dialkyl (Me, Et, n-Pr or i-Pr)-phosphoramidates	
(7)	Arsenic trichloride	(7784-34-1)
(8)	2,2-Diphenyl-2-hydroxyacetic acid	(76-93-7)
(9)	Quinuclidin-3-ol	(1619-34-7)
(10)	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl-2-chlorides and corresponding protonated salts	
(11)	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ols and corresponding protonated salts	
Exemptions:	N,N-Dimethylaminoethanol and corresponding protonated salts	(108-01-0)
	N,N-Diethylaminoethanol and corresponding protonated salts	(100-37-8)
(12)	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-thiols and corresponding protonated salts	
(13)	Thiodiglycol: Bis(2-hydroxyethyl)sulfide	(111-48-8)
(14)	Pinacolyl alcohol: 3,3-Dimethylbutan-2-ol	(464-07-3)

Schedule 3

A. Toxic chemicals

		(CAS Registry number)
(1)	Phosgene: Carbonyl dichloride	(75-44-5)
(2)	Cyanogen chloride	(506-77-4)
(3)	Hydrogen cyanide	(74-90-8)
(4)	Chloropicrin: Trichloronitromethane	(76-06-2)

B. Precursors

		(CAS Registry number)
(5)	Phosphorus oxychloride	(10025-87-3)
(6)	Phosphorus trichloride	(7719-12-2)
(7)	Phosphorus pentachloride	(10026-13-8)
(8)	Trimethyl phosphite	(121-45-9)
(9)	Triethyl phosphite	(122-52-1)
(10)	Dimethyl phosphite	(868-85-9)
(11)	Diethyl phosphite	(762-04-9)
(12)	Sulfur monochloride	(10025-67-9)
(13)	Sulfur dichloride	(10545-99-0)
(14)	Thionyl chloride	(7719-09-7)

(15)	Ethyldiethanolamine	(139-87-7)
(16)	Methyldiethanolamine	(105-59-9)
(17)	Triethanolamine	(102-71-6)