

## **Chemical Substances: Summary of the legislative reporting, recording and licensing requirements**

The government has issued a number of Regulations requiring licencing and reporting of various groups of chemicals. This, and the accompanying sheets summarise these requirements for ease of reference.

Click on the hyperlinks below to take you to the relevant sheet in this workbook

[Chemical Weapons Convention \(CWC\)](#)

[Drugs Precursors - purchase and use requirements](#)

[Desensitised Explosives](#)

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## Chemical Weapons Convention Licencing & Reporting Requirements

See also the related University Guidance on this topic

	Licence Required	Annual Return (1 January to 31st December)  Note the DECC give us very short notice to compile the University return speedy responses will be required	Trade Controls (Import/Export)
<a href="#">Schedule 1 Substances</a> <a href="#">(links to list of chemicals on DECC website)</a>	<p><b>All researchers</b> in the University <b>who produce, possess, or use</b> any of the Schedule 1 chemicals, must be covered by a licence from the National Authority (NA), currently the Department for Energy and Climate Change (DECC).</p> <p>1) Use S1 Chemicals Licence Request Form in the University Code of Practice to request licence.</p> <p>2) Requests made to DECC - users must contact Safety Services for information how to do this.</p> <p>The NA will decide on the type of licence awarded to a researcher</p> <p><b>Detailed records must be kept</b> about the chemicals specified in the licence. These records must be <b>open to inspection by the National Authority, to whom a copy must also be sent, within 14 days of the expiry of the licence.</b></p> <p>Schools must ensure that Safety Services has this information in order that they can meet this deadline.</p>	No	<p>Import /Export Licences required, 45 days notice required from NA receipt of application</p> <p>Contact Safety Services for information</p>
<a href="#">Schedule 2 Substances</a> <a href="#">(links to list of chemicals on DECC website)</a>	No	<p>1) of amounts <b>produced, processed, consumed, imported or exported</b> by schools</p> <p>2) <b>name and address of companies who have supplied chemicals</b> bought commercially in the UK</p> <p>Reporting period is 1 January to 31 December</p>	included in annual return
<a href="#">Schedule 3 Substances</a> <a href="#">(links to list of chemicals on DECC website)</a>	No	<p>1) of amounts <b>produced, imported or exported</b> by schools</p> <p>2) <b>name and address of companies who have supplied chemicals</b> bought commercially in the UK</p> <p>Reporting period is 1 January to 31 December</p>	included in annual return
Discrete Organic Chemicals	The University has declared the presence of these in accordance with the CWC requirement there is currently no licencing or reporting requirement. See University Guidance for more information.		

## Drug Precursor Requirements

Code of Practice <http://www.campus.manchester.ac.uk/healthandsafety/CoPs&Guidance/DrugsPrecursors.doc>

	Requirement by supplier	Records required	Security and Safety
<b>Category 1 Substances</b>  1-phenyl-2-propanone N-acetylanthranilic acid Isosafrol (cis+trans) 3,4-methylenedioxyphenyl-propan-2-one Piperonal Safrole Ephedrine Pseudoephedrine Norephedrine Ergometrine Ergotamine Lysergic acid	Home office (HO) licence held by the University for purchase. The number can be obtained from Safety Services on Ext 64004/3. A Declaration of Specific Uses form must be completed. Please note that some suppliers prefer the use of their own form, some suppliers may ask for the declaration to be made on University headed notepaper (proforma from Safety Services or your safety co-ordinator), or the Home Office pro forma, at <a href="http://www.drugs.gov.uk/drugs-laws/licensing/precursor-forms/">http://www.drugs.gov.uk/drugs-laws/licensing/precursor-forms/</a>  The University have obtained the permission of the HO to use the term research/analytical rather than state a specific use.	Supplier and date of purchase  Nature of chemical or preparation  Concentration and amount of substance  Where it will be kept and by whom  Date and mode of eventual disposal	Restricted disclosure of storage information  Restricted access to laboratories  Substance stored in locked cabinets within a secure room when not in use
<b>Category 2 Substances</b>  Potassium permanganate Acetic anhydride Phenylacetic acid Anthranilic acid Piperidine	For purchase of acetic anhydride of > 100L per year or potassium permanganate of >100kg per year a licence will be required. The number can be obtained from Safety Services on Ext 64004/3. For quantities less than this and other category 2 substances, a licence is not required but a Declaration of Specific Uses form must be completed, as for Category 1 substances.	The acquisition of these substances must be recorded	Should be kept securely
<b>Category 3 substances</b>  Hydrochloric acid Sulphuric acid Toluene Ethyl ether Acetone Methyl ethyl ketone	The regulations relating to Category 3 substances are unlikely to be relevant to the University as they concern the export of substance outside the EU	No specific restrictions other than normal health and safety considerations	

## Desensitised Explosives Requirements

UN numbers are four-digit numbers that identify dangerous goods and articles (such as explosives, flammable liquids, toxic substances, etc.) in the framework of international transport. These UN numbers are used to classify and identify desensitised explosives. Some dangerous goods have their own UN numbers (e.g. Urea Nitrate (wetted with  $\geq 10\%$  water by mass) has UN 3370), while sometimes groups of chemicals or products with similar properties receive a common UN number (e.g. Desensitized Explosive, Solid N.O.S has UN 3380). A chemical in its solid state may receive a different UN number than the liquid phase if their hazardous properties differ significantly ( e.g. Desensitized Explosive, Liquid N.O.S has UN 3379).

**The UN number can be found on the Safety Data Sheet (SDS).**

Substances with different levels of purity and for the purposes of Desensitized Explosives, the amount of wetting agent present, may also receive different UN numbers (Picric acid (2,4,6 trinitrophenol) with  $\geq 30\%$  water, by mass has UN1344, Picric acid (2,4,6 trinitrophenol) with  $\geq 10\%$  water, by mass has 3364).

**Although there is an extensive list of desensitised explosives, many are exempt under the Explosives Regulations. The following substances require a certificate to acquire, under the Control of Explosives Regulations and also require registration to keep, under the Manufacture and Storage of Explosives Regulations. These must be applied for and the cost incurred by each individual faculty where required. Please contact Safety Services before the application is submitted.**

**For details of specific exemption certificates currently available to download visit the HSE's website via the link below.**

<http://www.hse.gov.uk/explosives/exemptions/index.htm>

Proper Name	UN Number	Class
Picric acid (2,4,6 trinitrophenol) with $\geq 10\%$ water, by mass	3364	4.1D
Nitroglycerin mixture desensitized, solid, n.o.s. with more than 2% but not more than 10% nitroglycerin	3319	4.1 D
Nitroglycerin mixture desensitized, liquid, flammable, n.o.s. with not more than 30% nitroglycerin by mass	3343	3 D
Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. with more than 10% but not more than 20% PETN by mass	3344	4.1 D
Nitroglycerin mixture desensitized, liquid, n.o.s. with not more than 30% nitroglycerin by mass	3357	3 D
Trinitro chlorobenzene (Picryl chloride), wetted with $\geq 10\%$ water by mass	3365	4.1 D
Trinitrotoluene, wetted with $\geq 10\%$ water by mass	3366	4.1 D
Trinitrobenzene, wetted with $\geq 10\%$ water by mass	3367	4.1 D
Trinitrobenzoic acid, wetted with $\geq 10\%$ water by mass	3368	4.1 D
Urea nitrate, wetted with $\geq 10\%$ water by mass	3370	4.1 D
Desensitized explosive, Liquid N.O.S	3379	3 D
Desensitized explosive, Solid N.O.S.	3380	4.1 D
Hydroxybenzotriazole hydrate	3380	4.1 D