### **Guidance Sheet 3: Prohibited and Restricted Chemicals**

The following chemicals are prohibited in Department of Education and Training (the Department) schools:

* ammonium nitrite
* asbestos fibre
* benzene
* carbon disulfide
* carbon tetrachloride
* chloroform
* 1,2-dichloroethane (ethylene dichloride)
* hydrofluoric acid
* perchloric acid
* picric acid
* potassium cyanide
* sodium cyanide
* toluene (methyl benzene)
* Any substance listed in Appendix A of the 7th Edition of the ADG Code as Goods Too Dangerous to be Transported.
* Any substance requiring a [permit](http://www.health.vic.gov.au/dpcs/industrial.htm) as listed in Schedule 2,3,4,8 & 9 in the [Commonwealth Standard for the Uniform Scheduling of Medicines and Poisons](http://www.comlaw.gov.au/Details/F2015L00128/Download) and Schedule 7 poisons in the standard where they are listed in the [Victorian Poisons Code](http://www.health.vic.gov.au/dpcs/poicode.htm) under heading “Part 2 – List of substances that are not for general sale by retail”.
* PAll Scheduled Carcinogenic Substances.

If a Department workplace has any chemicals requiring a Permit (as specified previously), the identified chemicals should be immediately disposed of following consultation with local government authorities as to the most appropriate method or by using the services of a professional chemical disposal agent (refer to[*Guidance Sheet 5 - Chemical Waste Disposal*](http://www.education.vic.gov.au/Documents/school/principals/management/guid5majorchemicalspill.docx) for more information).

## Restricted Chemical: Ammonium Nitrate

Ammonium nitrate is classified as a High Consequence Dangerous Good (HCDG) meaning it has the potential to cause mass causalities and/or destruction. Schools are not permitted to:

* Use ammonium nitrate other than for educational purposes such as laboratory exercises that form part of the curriculum.
* Store above 3 kg of ammonium nitrate in the workplace at any one time.

Schools that store and use up to 3 kg of ammonium nitrate for the purposes of educational instruction are exempt from obtaining a licence under the *Dangerous Goods (HCDG) Legislation (Amendment) Regulations 2005 -* provided that the chemical is stored securely when not actually being used. A secure store means a secure place where the chemical is kept under lock and key and where there are procedures in place for:

1. Controlling access to the store(i.e. signing a log book)
2. Securing control of the keys to the store (i.e. signing a log book to access the keys)
3. Documenting the purchase, amount used and reconciling the empty container to verify that all weighed amounts have been accounted for
4. Completing a *Risk Assessment Template* to evaluate the level of risk of using and storing the chemical in the workplace
5. Completing a *Safe Work Procedure* for instructions on the use and storage of the chemical in the workplace.

## Scheduled Carcinogenic Substances

No Scheduled Carcinogenic Substance may be kept or used without a licence from WorkSafe Victoria.

The following listing is derived from the National Model Regulations for the *Control of Workplace Hazardous Substance, Part 2 - Scheduled Carcinogenic Substances [NOHSC 1011(1995)]*, in accordance with the *Occupational Health and Safety Regulations 2017, Part 4.2*.

It is expected that other substances will be added to these lists.

## Schedule 1 Prohibited carcinogenic substances

A **“Schedule 1 carcinogenic substance”** is a substance (or any of its salts) listed in Schedule 1 used as a pure substance or in a mixture

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| Prohibited carcinogen [Chemical Abstract Number] |

* 2-Acetylaminofluorene [53-96-3]
* Aflatoxins
* 4-Aminodiphenyl [92-67-1]
* Amosite [12172-73-5] (brown asbestos)
* Benzidine [92-87-5] and its salts (including benzidine dihydrochloride [531-85-1])
* bis(Chloromethyl) ether [542-88-1]
* Chloromethyl methyl ether [107-30-2] (technical grade which contains bis(chloromethyl) ether)
* Crocidolite [12001-28-4] (blue asbestos)
* 4-Dimethylaminoazobenzene [60-11-7]
* 2-Naphthylamine [91-59-8] and its salts
* 4-Nitrodiphenyl [92-93-3]

## Schedule 2 Notifiable carcinogens

A **“Schedule 2 carcinogenic substance”** is any other substance (or any of its salts) listed in Schedule 2 used as a pure substance or in a mixture containing 0.1% or more of that substance. This is determined as a weight/weight (w/w) concentration for solids or liquids and a volume/volume (v/v) concentration for gases, except for chrysotile or cyclophosphamide as listed in that Schedule.

Schedule 2 carcinogens are only permitted for use in the laboratory if WorkSafe Victoria is notified first.

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| Notifiable carcinogen [Chemical Abstract Number] |

* Acrylonitrile [107-13-1]
* Benzene [71-43-2]
* Chrysotile [12001-29-5] (white asbestos)
* Cyclophosphamide [50-18-0] (cytotoxic drug)
* 3,3’-Dichlorobenzidine [91-94-1] and its salts (including 3,3’-Dichlorobenzidine dihydrochloride [612-83-9])
* Diethyl sulfate [64-67-5]
* Dimethyl sulfate [77-78-1]
* Ethylene dibromide [106-93-4]
* 4,4’-Methylene bis(2-chloroaniline) [101-14-4] MOCA
* 2-Propiolactone [57-57-8]
* o-Toluidine [95-53-4] and o-Toluidine hydrochloride [636-21-5]
* Vinyl chloride monomer [75-01-4]

**Further assistance** and advice can be obtained by contacting the Department’s **OHS Advisory Service** on **1300 074 715** or [safety@edumail.vic.gov.au](mailto:safety@edumail.vic.gov.au) **.**