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My approach is to provide a short, succinct note on each hazardous chemical issue, sufficient to allow you to make a decision of whether it is relevant to you.

If you need more information:  
Contact details / Website details / etc are provided.

I encourage all readers to network and make comment on Draft Regulations, Codes, Standards and Guidance.

Screen

ISSN: 1441-5534

## Hazardous Chemicals

### • ECHA Classification and Labelling Consultations

**14 Sept 2020:** A classification that caught my attention.

#### Sulphur Dioxide 7446-09-5

Hazard Classes open for comment are:

Flammable Gas; Oxidising Gas; Gases under Pressure; Acute Toxicity; Respiratory Sensitisation; Skin Sensitisation; Germ Cell Mutagenicity; Carcinogenicity; Specific Target Organ Toxicity — Single Exposure  
Proposed Additional Classifications: Skin Sens. 1, H317; Muta. 2, H341; STOT SE 3, H335.

Comment Deadline: 13/11/2020 CLH Report ([154 page pdf](#))

Details: <https://echa.europa.eu/harmonised-classification-and-labelling-consultation/-/substance-rev26204/term>

From: <https://echa.europa.eu/harmonised-classification-and-labelling-consultation>

### • ECHA Potential Candidates re Substitution Consultation

At 28 Aug 2020: Potential Substitutions catching my attention.

<a href="#">Boric Acid</a>	CAS 10043-35-3	27/10/2020	Toxic for Reproduction Category 1B
<a href="#">Disodium Tetraborate 5H2O</a>	CAS 12179-04-3	27/10/2020	Toxic for Reproduction Category 1B

From: <https://echa.europa.eu/public-consultation-on-potential-candidates-for-substitution>

### • ECHA Authorisation List (as at Oct 2020)

The Authorisation process aims to ensure that Substances of Very High Concern (SVHCs) are progressively replaced by less dangerous substances or technologies where technically and economically feasible alternatives are available.

*Substances with the following hazard properties may be identified as SVHCs:*

- Substances meeting the criteria for classification as carcinogenic, mutagenic or toxic for reproduction (CMR) category 1A or 1B in accordance with the CLP Regulation.
- Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) according to REACH Annex XIII.
- Substances on a case-by-case basis, that cause an equivalent level of concern as CMR or PBT/vPvB substances.

*Note 1: If a substance is on the Authorisation List, it cannot be placed on the EU market or used after the sunset date unless an Authorisation has been granted for a particular use.*

*Note 2: A Restriction limits or bans the manufacture, placing on the market or use of a substance that poses an unacceptable risk to human health or to the environment.*

From: <https://echa.europa.eu/authorisation-list>

And: <https://echa.europa.eu/substances-of-very-high-concern-identification-explained>

*Editor:* I noticed the REACH Authorisation List now includes two Borate entries due to their Toxic to Reproduction Hazard

Sodium Perborate, Perboric Acid, Sodium Salt	CAS 11138-47-9 & CAS 15120-21-5
And Sodium Peroxometaborate	CAS 7632-04-4

### • ECHA: Backs Restricting Sensitising Chemicals Used in Clothing and other Articles

**22 Sept 2020:** The ECHA Committee for Socio-economic Analysis (SEAC) supports France and Sweden's proposal to Restrict the use of over 1000 skin sensitising substances in clothing, footwear and other articles with similar skin contact.

If adopted, the Restriction will prevent many people from developing new skin allergies while also relieving the symptoms of many of those who already have them. This is expected to result in health benefits equivalent to at least €708 million (>AU \$1160 million) per year. It is estimated that up to 5 million people in the European Economic Area are already sensitised and up to 180 000 new cases occur each year.

The proposed restriction covers substances that have a harmonised classification as Skin Sensitisers under the Classification, Labelling and Packaging (CLP) Regulation such as Chromium VI, Nickel and Cobalt compounds. It also proposes to restrict some dyes that are considered to have skin sensitising properties, but which do not have a harmonised classification.

The proposal introduces a link with the CLP Regulation meaning that any substance that is classified as a skin sensitizer in the future under CLP would automatically be covered by the restriction. When substances are automatically added to the restriction, SEAC recommends a transitional period of three years between classification and the conditions of the restriction taking effect to allow manufacturers to adapt.

Opinion of the Risk Assessment Committee (RAC) (and minority positions) [RAC Opinion](#) (12 Mar 2020, 64 page pdf);  
[RAC Opinion Annex](#) (20 page pdf) [SEAC Draft Opinion](#) (11 June 2020, 60 page pdf)

From: <https://echa.europa.eu/-/echa-s-committees-back-restricting-over-1-000-skin-sensitising-chemicals-used-in-clothing-and-other-articles>

## • ECHA: Restriction of Uses of Microplastics

**1 Sept 2020:** ECHA's proposal to restrict intentionally-added microplastics is the most comprehensive restriction initiative in the world for reducing emissions from intentional uses of Microplastics. ECHA has updated its proposal (since a 6 month consultation in 2019) while remaining independent & following a transparent & evidence-based scientific approach.

The changes proposed by ECHA are detailed in the [draft background document](#).  
e.g. the [SEAC Draft Opinion](#) (11 June 2020 @ 83 page pdf)

Updates were introduced, for example, to the definition of a Microplastic and the options for managing risks from polymeric infill used in artificial turf pitches.

The proposed Restriction is estimated to reduce the emission of intentionally added Microplastics in the environment by at least 500,000 tonnes over the next 20 years (in the EU). The updated proposal actually increases the reduction of emissions in absolute volumes compared to the original proposal.

From: <https://echa.europa.eu/-/working-on-the-world-s-broadest-restriction-of-intentional-uses-of-microplastics>

## • Canadian Chemicals Management Plan Website

### Screening Assessments & Evaluations (some entries)

August 2020

[The Code of Practice for Certain Methylenediphenyl Diisocyanates in Low-Pressure Two-Component Spray Polyurethane Foam Products was published.](#) [2020-08-29]

September 2020

[The Release Guidelines for Disperse Yellow 3 and 25 other Azo Disperse Dyes in the Textile Sector were published.](#) [2020-09-05]

[The Draft Screening Assessment for the Petroleum Coke Group was published for a 60 day public comment period ending on Nov 18, 2020.](#) [2020-09-19]

[The draft Screening Assessment and risk management scope for Thallium and its Compounds was published for a 60 day public comment period ending on Nov 18, 2020.](#) [2020-09-19]

[The Draft Screening Assessment for TMSS was published for a 60 day public comment period ending on Nov 18, 2020.](#) [2020-09-19]

October 2020

[A Final Pollution Prevention Planning Notice with respect to Triclosan was published.](#) [2020-10-10]

[The Draft Screening Assessment for Triclocarban was published for a 60-day public comment period ending on Dec 9, 2020.](#) [2020-10-10]

[A summary of the non-confidential information received in response to the information gathering Notice for certain Quaternary Ammonium Compounds in Canadian commerce – Phase 1 has been made available.](#) [2020-10-13]

[A summary of the non-confidential information received in response to the information gathering Notice for the risk management of certain Coal Tars and their Distillates has been made available.](#) [2020-10-13]

[The Final Screening Assessment for the Triarylmethanes Group was published.](#) [2020-10-17]

[The updated Draft Screening Assessments and risk management scopes for Melamine, TCPP and TDCPP were published for a 60-day public comment period ending on December 16, 2020.](#) [2020-10-17]

[The Draft Screening Assessment for Benzenesulfonic acid \(PTSA\) was published for a 60-day public comment period ending on December 16, 2020.](#) [2020-10-17]

From: [www.canada.ca/en/health-canada/services/chemical-substances/latest-news.html](http://www.canada.ca/en/health-canada/services/chemical-substances/latest-news.html)

## • CAA NZ: Flammable Sanitiser Products & Aircraft

### June 2020 - Civil Aviation Authority of New Zealand:

An (Aircraft) employee used alcohol-based hand gel sanitiser, as per the organisation's recommendations for COVID-19 personal hygiene requirements. After application, and before the liquid sanitiser had fully evaporated and dried, the worker touched a metal surface where a build-up of static electricity created an ignition source and the sanitiser ignited, resulting in an almost invisible flame on both hands. The worker managed to extinguish the flames but was left with first- and second-degree burns.

Alcohol vapours can ignite if exposed to ignition sources such as light switches, cigarette lighters or aircraft ignition keys.

From: [www.aviation.govt.nz/assets/health-and-safety/flammable-ppe-products.pdf](http://www.aviation.govt.nz/assets/health-and-safety/flammable-ppe-products.pdf) (1 page)

For CAA NZ information: [www.aviation.govt.nz/a-to-z/](http://www.aviation.govt.nz/a-to-z/)

## • Worksafe Vic: Burst Paint Can causes Drill Rig fire

### 24 Sept 2020 Safety Alert:

Burst Paint Can causes Fire in a Mobile Drill Rig's Engine Bay.

Worksafe Victoria issued a reminder about the importance of managing the Risks associated with Fire on Mobile Plant in Mines and Quarries.

A fire occurred in the engine bay of a drill rig used for development and production at an underground metalliferous mine. The drill rig was tramping to the surface workshop. As the drill rig reached the surface, an employee noticed flames in its engine bay and notified the operator. The unit was parked and the aqueous film forming foam fire suppression system was activated to suppress the flames.

Analysis discovered remnant paint can pieces and paint within the engine bay. This revealed that radiant engine heat had caused a paint can to burst, which provided an ignition source for the vaporised paint.

From: [www.worksafe.vic.gov.au/safety-alerts/burst-paint-can-causes-fire-drill-rigs-engine-bay](http://www.worksafe.vic.gov.au/safety-alerts/burst-paint-can-causes-fire-drill-rigs-engine-bay)

## Chemical Management

### • SWA Model Code of Practice: Preparation of SDSs

**28 Aug 2020 (for the July 2020 Updated SDS Code):**

The Model Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals, has been updated to include changed information related to the Transition to GHS 7. (123 page [pdf](#) | [docx](#))

Two years are allowed to update SDSs (until 31 Dec 2022)

From: [www.safeworkaustralia.gov.au/doc/model-code-practice-preparation-safety-data-sheets-hazardous-chemicals](http://www.safeworkaustralia.gov.au/doc/model-code-practice-preparation-safety-data-sheets-hazardous-chemicals)

*Editor:* SDSs are used to inform users about the Industrial Chemicals Acts, Regulations, and specifically the Inventory Listing of the chemicals. However the major change to AICIS and the AIIC has not been included and the July 2020 Code still refers to NICNAS, AICS and its associated Regulations.

Also the Food Standards Regulation of chemicals used in food & processing is entirely overlooked in Section 15 of the Code!

Eye Irritation Category 2B means some currently non-GHS products will become classified as Hazardous Chemicals. In my opinion these re-classifications need to be dealt with in a prompt manner as there are higher liability issues.

### • SWA Model Code: Labelling of Hazardous Chemicals

**28 Aug 2020 (for the July 2020 Updated Labelling Code):**

The Model Code of Practice: Labelling of Workplace Hazardous Chemicals, has been updated to include changed information related to the Transition to GHS 7. (135 pages [pdf](#) | [docx](#))

Two years are allowed to update Labels (until 31 Dec 2022)

From: [www.safeworkaustralia.gov.au/doc/model-code-practice-labelling-workplace-hazardous-chemicals](http://www.safeworkaustralia.gov.au/doc/model-code-practice-labelling-workplace-hazardous-chemicals)

*Editor:* Eye Irritation Category 2B means some currently non-GHS products will become classified as Hazardous Chemicals and require Hazardous Chemicals Labelling.

In my opinion labelling as GHS Hazardous needs to be done in a prompt manner, as there are higher liability issues.

### • SWA Guide: Classifying Hazardous Chemicals

**28 Aug 2020 (for the July 2020 updated Classifying Guide)**

The National Guide: Classifying Hazardous Chemicals, has been updated to include changed information related to the Transition to GHS 7. (58 pages [Pdf](#) | [Docx](#))

**e.g. The Eye Irritation Category 2B exemption is removed.**

This Guide contains a number of examples with answers. To complete these examples you will need a copy of the GHS 7<sup>th</sup> Revised Edition. A free download is available at: [www.unece.org/trans/danger/publi/ghs/ghs\\_rev07/07files\\_e.html](http://www.unece.org/trans/danger/publi/ghs/ghs_rev07/07files_e.html)

From: [www.safeworkaustralia.gov.au/doc/classifying-hazardous-chemicals-national-guide](http://www.safeworkaustralia.gov.au/doc/classifying-hazardous-chemicals-national-guide)

*Editor:* The July 2020 National Guide refers to the OLD National Industrial Chemical Notification and Assessment Scheme (NICNAS) as described in Appendix A. The major change to AICIS since 1 July 2020 must be included ASAP.

### • SWA: Model Code of Practice: Welding Processes

**28 Aug 2020 (for the July 2020 Updated Welding Code):**

This Model Code of Practice: Welding Processes, has been developed to provide practical guidance for persons conducting a business or undertaking on how to manage health and safety risks associated with welding. It has been updated to include changed information related to the Transition to GHS 7 (e.g. Eye Irritation 2B is now included).

(45 page [pdf](#) | [docx](#))

From: [www.safeworkaustralia.gov.au/doc/model-code-practice-welding-processes](http://www.safeworkaustralia.gov.au/doc/model-code-practice-welding-processes)

## • SWA: Resources to support Transition to GHS 7

**31 Aug 2020:** New Safe Work Australia (SWA) Guidance to help businesses navigate the transition to GHS 7.

Australia will begin a two-year transition to the Globally Harmonized System of Classification and Labelling of Chemicals Revision 7 (GHS 7) by 1 January 2021.

The new SWA [GHS 7 web page](#) includes a brief overview of the changes to classification and labelling requirements under GHS 7 under the following headings:

Aerosols; Flammable, pyrophoric and chemically unstable gases; Desensitised explosives; Eye irritation (which captures all Category 2 eye irritants including those that fall under Category 2B); Updated Precautionary Statements; Duties of manufacturers and importers; Duties of suppliers; Duties of hazardous chemical users.

From: [www.safeworkaustralia.gov.au/media-centre/news/resources-support-transition-ghs-7](http://www.safeworkaustralia.gov.au/media-centre/news/resources-support-transition-ghs-7)

*Editor:* As Eye Irritation Category 2B will no longer be removed from the Hazardous Chemical definition; this leads to a difference between the classification of Hazardous Substances in Victoria & Hazardous Chemicals in the rest of Australia.

*Vic Compliance Code: Hazardous Substances (Dec 2019)*

[www.worksafe.vic.gov.au/resources/compliance-code-hazardous-substances](http://www.worksafe.vic.gov.au/resources/compliance-code-hazardous-substances) (52 page pdf see page 3)

*Note:* Vic Compliance Codes are not mandatory, and a duty holder may choose to use some other way to achieve compliance. But the Vic Regulations exclude Eye Irritation Category 2B: [www.legislation.vic.gov.au/in-force/statutory-rules/occupational-health-and-safety-regulations-2017/007](http://www.legislation.vic.gov.au/in-force/statutory-rules/occupational-health-and-safety-regulations-2017/007)

## • SWA: Exposure Std for Silica Dust & Checklist

**14 Sept 2020:** The Workplace Exposure Standard ([WES](#)) for Respirable Crystalline Silica (fine Silica dust) has recently halved. If you work with materials like engineered stone, concrete or tiles, use the new silica checklist to see if you need to implement additional [control measures](#) in your workplace so that the [WES](#) is not exceeded.

Safe Work Australia has published information, & a checklist, to help persons conducting a business or undertaking (for example, an employer or small business owner) to understand the changes to the WES for Silica dust, and to assess and effectively manage the risks of silica dust in their workplace.

The [WES](#) for Silica dust has halved from an eight-hour time weighted average of 0.1 mg/m<sup>3</sup> to 0.05 mg/m<sup>3</sup>. The reduced Silica dust [WES](#) was [implemented in most jurisdictions](#) from 1 July 2020. (Vic, SA, Qld, ACT, NT, NSW, C\*wealth)

[Workplace Checklist: Changes to the workplace exposure standard for silica dust](#)

List: [www.safeworkaustralia.gov.au/sites/default/files/2020-09/Silica%20WES%20Checklist.pdf](http://www.safeworkaustralia.gov.au/sites/default/files/2020-09/Silica%20WES%20Checklist.pdf) (10 Sept 2020 2 page pdf)

Working with Silica and Silica containing products - National Guidance Material – Sept 2019 (32 page [pdf](#) or [docx](#))

From: [www.safeworkaustralia.gov.au/media-centre/news/changes-workplace-exposure-standard-silica-dust](http://www.safeworkaustralia.gov.au/media-centre/news/changes-workplace-exposure-standard-silica-dust)

## • Combating Illicit Drug Manufacturing in Australia

**14 Aug 2020:** Changes to the criminal code and customs regulations came into force to make it harder for criminals to manufacture illicit drugs in Australia.

Transnational, serious and organised crime groups use precursor chemicals to manufacture illicit drugs, such as methamphetamine or 'ice'. While many of these chemicals are classed as prohibited imports, some precursor chemicals can still legally be brought into Australia.

To ensure these chemicals are only imported for legitimate reasons, the Federal Government has proscribed additional substances as prohibited precursors, under the Criminal Code and Customs Legislation Amendment (Precursors and Drugs) Regulations 2020.

Further information about the changes is available at: [www.abf.gov.au/help-and-support-subsite/CustomsNotices/2020-34.pdf](http://www.abf.gov.au/help-and-support-subsite/CustomsNotices/2020-34.pdf) (2 page pdf)

The Regulations add ten additional Precursors in Section 13 and twelve additional precursors in Section 16 of the Code Regulations, as well as specifying commercial and marketable quantities for these substances.

The Government has identified that [these precursors have no known legitimate industrial or commercial use](#).

For detailed information on these changes, please consult the legislation directly, including the Explanatory Statement ([www.legislation.gov.au/Details/F2020L01003](http://www.legislation.gov.au/Details/F2020L01003)).

From: <https://minister.homeaffairs.gov.au/jasonwood/Pages/regulation-changes-to-combat-illicit-drug-manufacturing-in-australia.aspx>

## • ACCC: Voluntary Battery Stewardship Scheme

**4 Sept 2020:** The Battery Stewardship Council (BSC) will be able to establish and operate a national scheme for managing expired batteries under an authorisation granted by the ACCC, that is expected to see a significant increase in battery collections and recycling.

Batteries imported by members of the Scheme would attract a levy of four cents per 24 grams (the weight of an AA battery). Rebates would then be paid to Recyclers to help offset the cost of collecting, sorting and processing expired batteries.

Members of the Scheme must agree to only deal with other members along the supply chain, with limited exceptions such as for pre-existing arrangements. The BSC estimates that only about 3% of handheld batteries in Australia are recycled. Most batteries go to landfill.

The ACCC's current advice is for consumers to dispose of used Button batteries immediately given the safety risk of serious injury or death if they are swallowed or inserted into the body. Young children are at the greatest risk due to their narrower oesophagus and tendency to place small objects into their mouths, ears and noses.

In order to address the issue of consumers potentially storing Button batteries for later recycling, the ACCC has imposed a condition requiring BSC to develop a Button Battery Safety Strategy within 12 months. The Strategy is to be guided by an Advisory Group involving the ACCC, relevant industry bodies and medical and child safety experts.

More information, including the ACCC's reason for decision is available online on the ACCC's public register at [Battery Stewardship Council](#).

BSC proposes to offer the following rebates to recyclers:

- a/ \$2.50/kg for battery collection in metropolitan areas;
- b/ \$3.50/kg in regional and remote areas (to account for increased costs and logistics); c/ \$1/kg for sorting, and
- d/ \$1/kg for processing.

From: [www.accc.gov.au/media-release/voluntary-battery-stewardship-scheme-granted-authorisation](http://www.accc.gov.au/media-release/voluntary-battery-stewardship-scheme-granted-authorisation)

## • SWA: Workplace Exp. Stds: Consultation on Hold

There are 167 draft Evaluation Reports still to be released.

*Editor:* There are a range of WES values of major concern due to their very low health based recommendation values.

*For Info:* [www.safeworkaustralia.gov.au/review-workplace-exposure-standards](http://www.safeworkaustralia.gov.au/review-workplace-exposure-standards)

Check the Engage Platform when SafeWork Australia restarts the feedback process, and releases all remaining 167 WES Reports on the Engage platform at <https://engage.swa.gov.au/>

## • WorkSafe NZ: Hazardous Substances Update

9 July 2020:

**Tracking Very Hazardous Substances.** A record of what happens to them must be kept, from the date of their manufacture or importation into New Zealand, through to their end use or disposal. For example: some explosives or highly toxic (class 6.1A and 6.1B) substances.

**2020 Worker Exposure Standards and Biological Exposure Indices review.** Consultation Closed 28 Aug 2020. You can view the documents (as pdfs) for each substance at:

<https://worksafe.govt.nz/laws-and-regulations/consultations/wes-and-bei-proposed-changes-2020/>

### Two revised Worksafe NZ Hazardous Substances Guides

- Updated Worksafe NZ [Certification of Locations Holding Toxic and Corrosive Substances Guide](#) explains the certification requirements of toxic and corrosive substances when they are in storage. These requirements apply when those substances are in containers including packages, drums, transportable containers (including portable tanks) and stationary tanks.

- Worksafe NZ Guide on [Keeping your Service Station Compliant with the Hazardous Substances Regulations](#) helps businesses understand how to comply with their regulatory obligations for hazardous substances at service stations.

From: <https://worksafe.govt.nz/about-us/news-and-media/hazardous-substances-update-july-2020/>

And: [https://engage.ubiquity.co.nz/mail/view/4tp1hs9x0q14\\_cd813d28215jx00v8fj9nx1b6bdly0knrgj12vc57psvbb7bhf8qm2626s4f1gzpnw19kj6](https://engage.ubiquity.co.nz/mail/view/4tp1hs9x0q14_cd813d28215jx00v8fj9nx1b6bdly0knrgj12vc57psvbb7bhf8qm2626s4f1gzpnw19kj6) (actual web newsletter)

## • Canada: Confined Space Std - Revisions Proposed

**20 June 2020:** (*Editor – I've listed some Revisions to highlight it is relevant to review all the proposed amendments*)

The proposed amendments would also add a new subtype of confined spaces: Hazardous Confined Spaces. These types of spaces would include further risk to the health and safety of the person working in it. A Hazardous Confined Space is defined as a confined space that, when entered, occupied or exited by persons, presents hazards likely to cause injury, illness or other adverse health effects to persons entering, occupying or exiting it because of:

- (a) its design, construction, location or atmosphere; (b) the materials or substances in it; or (c) any other conditions relating to it.

The proposed amendments would:

- (c) align with requirements in other jurisdictions in Canada by increasing the minimum level of Oxygen in the air in a confined space to 19.5%, up from 18%;
- (e) add the requirement for continuous atmospheric monitoring when it is noted in the Hazard Assessment Report created by the qualified person. It would also require that atmospheric testing equipment be used by a qualified person, and be used, calibrated and maintained in accordance with the manufacturer's specifications;

From: [www.gazette.gc.ca/rp-pr/p1/2020/2020-06-20/pdf/g1-15425.pdf](http://www.gazette.gc.ca/rp-pr/p1/2020/2020-06-20/pdf/g1-15425.pdf) (108 page pdf) (See pages 1425-1458)

(From July 2020 AIDGC What's Happening)

## • The EU's Chemicals Strategy for Sustainability

**14 Oct 2020:** The European Union's (EU's) Chemicals Strategy for Sustainability Towards a Toxic-Free Environment.

Most chemicals have hazardous properties which can harm the environment and human health. Global chemicals production is expected to double by 2030. The already widespread use of chemicals will also increase, including in consumer products.

The European Commission (EC) published a [Chemicals Strategy for Sustainability Towards a Toxic-Free Environment](#) on 14 Oct 2020. It is part of the EU's zero pollution ambition, which is a key commitment of the European Green Deal.

<https://ec.europa.eu/environment/pdf/chemicals/2020/10/Strategy.pdf> (25 pages)

**Objectives:** The EU's chemicals strategy aims to

- better protect citizens and the environment
- boost innovation for safe and sustainable chemicals

There are seven key **Actions** listed on their webpage.

From: [https://ec.europa.eu/environment/strategy/chemicals-strategy\\_en](https://ec.europa.eu/environment/strategy/chemicals-strategy_en)

**EC Press Release 14 Oct 2020:** Green Deal: Commission adopts new Chemicals Strategy towards a toxic-free environment.

[https://ec.europa.eu/commission/presscorner/detail/en/ip\\_20\\_1839](https://ec.europa.eu/commission/presscorner/detail/en/ip_20_1839)

**14 Oct 2020: Cefic Director General Marco Mensink, commenting on the publication of the EU's new Chemicals Strategy for Sustainability.**

<https://cefic.org/media-corner/newsroom/cefic-welcomes-new-enforcement-and-innovation-proposals-in-new-chemical-strategy-for-sustainability-but-warns-missed-opportunity-and-uncoordinated-approach-risk-undermining-eu/>

*Editor:* The EC Communication is very relevant for all to read.

## • ECHA Sept 2020 Newsletter: Final Edition

**29 Sept 2020:**

**EC: Chemicals Strategy for Sustainability** – (now published on the 14 Oct 2020) aims to simplify and strengthen EU rules on chemicals to protect people and the environment. Under the [European Commission's Green Deal](#), the strategy also drives innovation towards safer and more sustainable alternatives, and steers Europe towards a toxic-free environment. It will set out the demands for future chemicals in line with the three main goals (as the EC sees them) 1/ Climate Neutrality by 2050, 2/ Circularity and 3/ Sustainability.

Industry has a great level of responsibility for ensuring that the chemicals they produce in the future will be scientifically and technically safe, reusable and produced at a low energy cost.

We need to make it clear which chemicals are harmful and propose actions on those chemicals needing to be phased out.

The different EU bodies currently doing chemical work need to make sure there are clear mandates that do not overlap.

As a practical example, ECHA need to know what the European Food Safety Authority (EFSA) and the European Medicines Agency (EMA) are working on so that ECHA can plan its own work better – and they also need to know what ECHA plans to do.

To achieve a true Circular Economy, a change in mindset is needed. "In Europe, we have the scientific and technical capacity to lead a transition to safer chemicals and non-chemical alternatives – from design to the end of life of products. However, despite our best efforts, hazardous substances are not being substituted at the pace they would need to," Mr Sadauskas explained.

Front running companies that adopt a greener mindset and produce more sustainable chemicals still encounter major economic and technical barriers. To help them overcome these, both a legislative incentive and financial support are needed to boost research, development and the commercialisation of safer alternatives. The Strategy includes a mix of both Regulatory and non-regulatory instruments.

[Registration Update Deadlines Clarified](#) - The implementing regulation does not change the basic rule that companies need to update their Registrations as soon as possible after noticing that information included in their dossier has changed.

IF the update is of an administrative nature, such as changing the name, address or status of the company, or the registrant ceases manufacturing the registered substance, they have **three months** to update registrations & submit them to ECHA. The three-month deadline also applies are, for example, if **new uses** are identified, or if there is **new information related to how** the substance should **not be used**.

Additional deadlines are set at **six, nine and 12 months** depending on the complexity of the update. For example, if companies need to update their registrations with a **testing proposal**, they will have **six months** to do so. But if they are **developing the testing proposal for a group** of substances, as part of a testing strategy, a **12-month deadline** will apply. If the **new information leads to changes in a chemical safety report or affects the Guidance on safe use**, the deadline for an update is **12 months**.

If Registrants have several reasons for updating their registrations, they can include all changes in one submission and apply the longest deadline.

From: <https://newsletter.echa.europa.eu/home/-/newsletter/3/2020>

*Editor:* I have only included topics that caught my attention.

## • ECHA: 23% of Imported Products Non Compliant

**24 Sept 2020:** A pilot project by ECHA's Enforcement Forum examining imports of products into the EU has found that 23% of almost 1400 inspected products were non-compliant with REACH & CLP (Classification Labelling Packaging) Regul'ns. The majority of checks addressed compliance with REACH restriction obligations, focusing on the presence of the restricted substances Cadmium, Lead and Nickel in articles.

Some imports contained illegal amounts of Hazardous Substances that are restricted in the EU, while others had incorrect hazard labelling – which could compromise their safe use and put citizens' health at risk if they enter the market.

The results show that importers need to intensify their efforts to supply safe products which are compliant with REACH and CLP. They also show there is a continued need for targeted enforcement on these specific restrictions and more stringent enforcement of REACH and CLP at European points of entrance.

From: <https://echa.europa.eu/-/1-in-4-imported-products-found-to-be-non-compliant-with-reach-and-clp>

## • OECD: Nanomaterials & 3-year project NANOMET

**Launched in May 2020:** Nanomaterials have to be assessed for their safety using appropriate tools and methodologies. For that reason, the [OECD Programme on Manufactured Nanomaterials](#) and the [OECD Test Guidelines Programme](#) collaborate to identify and develop standardised methods that can be used to generate relevant and reliable data. To intensify this endeavour and support the OECD, a three-year project called NANOMET, funded by the European Union has been launched in May 2020.

A range of Videos and Publications can be accessed.

From: [www.oecd.org/chemicalsafety/nanomet/](http://www.oecd.org/chemicalsafety/nanomet/)

## • CEFIC: Next Generation EU Economic Recovery Plan

**10 Sept 2020:** The European Chemical Industry welcomes the ambitious 'Next Generation EU Economic Recovery Plan'.

"Crucial decisions are currently being made across European capitals to steer the Recovery Plans towards a more resilient Europe. To enable a Low-Carbon transition of our industry, which is vital to so many sectors, we call for strategic investments in Circular Economy, Renewable Energy and Clean Hydrogen, along with Green Infrastructure & Transport"

*René van Sloten, Cefic Executive Director Industrial Policy.*

From: <https://cefic.org/media-corner/newsroom/a-window-of-opportunity-making-the-economic-recovery-plan-a-driver-for-competitive-sustainability-of-the-chemical-industry/>

**1 Sept 2020:** [Chemicals Strategy for Sustainability must harness the enormous potential of Europe's chemical industry to deliver European Green Deal objectives](#)

**20 July 2020:** [Chemical Recycling is essential for the EU to achieve its Circular Economy goals](#)

From: <https://cefic.org/media-corner/>

## • CSB: "Dust Hazard Learning Review" Report

**10 Sept 2020:** The CSB released a new Contractor Report stemming from the 2017 fatal dust explosion at the Didion Milling facility in Cambria, Wisconsin, USA. The ["Dust Hazard Learning Review"](#) report (47 page pdf) produced for the CSB by Dynamic Inquiry LLC, gathered feedback from industries that handle combustible dust to identify the key barriers to improvement in the control and mitigation of combustible dust hazards.

[www.csb.gov/assets/1/6/Dust\\_Hazard\\_Review.pdf](http://www.csb.gov/assets/1/6/Dust_Hazard_Review.pdf) (47 pages)

The CSB identified the following **key issues**:

**1/ Sharing Information:** The sharing of information between companies, industries, and regulators was the most desired goal requested from the respondents. These respondents felt that having a platform to share information and experiences openly, without fear of reprisal or punishment, would offer the best path forward to learn from others regarding dust hazard mitigations and best practices.

**2/ Barriers to Improvement:** Respondents identified the inability to achieve a dust-free environment. Review of the comments revealed that this may have been due to a normalization of risk.

**3/ Controls:** The Call to Action revealed important challenges with the language used to describe combustible dust and its mitigation, suggesting it be presented as a distinct hazard, not simply as an "issue of tidying up the place". It was also clear that all levels of communication need to improve within facilities that have combustible dust.

From: [www.csb.gov/issue-new-type-of-safety-product/](http://www.csb.gov/issue-new-type-of-safety-product/)

## • CSB Update: Bio-Lab Chemical Plant Fire

**31 Aug 2020:** The CSB provided an update on its deployment to the Bio-Lab chemical plant fire that occurred in Westlake, Louisiana, USA on Thursday, 27 Aug 2020, at approx. 7:48 am USA CDT, following landfall of Hurricane Laura.

The CSB confirmed the following details:

Bio-Lab is a manufacturer of pool and spa treatment products. Chlorine gas is used in the production of these products and the products also contain Chlorine.



Chlorine gas, which is used in their process, is supplied from a nearby facility.

Shutdown procedure due to the expected arrival of Hurricane Laura, was completed on Tuesday, 25 August.

The chemical Trichloroisocyanuric Acid (Tri-Chlor) is produced and stored at the facility.

The company reported that the amount of Tri-Chlor stored at the facility on 25 Aug 2020 was approximately 835 tons.

The company reported that a significant section of the roof of the warehouse, located adjacent to a location known as Plant 4, was damaged during the hurricane.

From: [www.csb.gov/csb-provides-update/](http://www.csb.gov/csb-provides-update/)

## • USA OSHA Quick Takes e-News: Aug 20 – Oct 20

Aug 2020: No chemical Quick Take issues

22 Sept 2020:

1/ Reducing Silica Hazards (Counter Top Manufacturing).

6 Oct 2020: 1/ [New OSHA Guidance on fit testing for tight-fitting powered air-purifying respirators](#) during the pandemic. The Guidance applies to healthcare personnel and other workers in high or very high exposure risk activities.

2/ Renewed OSHA Alliance with the [American Chemistry Council - Center for the Polyurethanes Industry](#). In particular, the Alliance will focus on a) workplace practices for reducing and preventing exposure to Aliphatic and Aromatic Diisocyanates (MDI, TDI, HDI, HMDI and IPDI); b) promoting guidance and information that address the health and safety issues affecting workers within the Polyurethanes value chain, as well as the broader chemical industry; and c) understanding the rights of workers and the responsibilities of employers under the USA Occupational Safety and Health Act (OSH Act).

From: [www.osha.gov/quicktakes/](http://www.osha.gov/quicktakes/)

## AICIS (Industrial/Cosmetic Chemicals)

AICIS - Australian Industrial Chemicals Introduction Scheme

**Note: A monthly Chemical Gazette is no longer published**

To access similar information go to News & Notices at:

[www.industrialchemicals.gov.au/news-and-notice](http://www.industrialchemicals.gov.au/news-and-notice)

### • AICIS: Regulatory Notices 8 Sept 2020

**8 Sept 2020:** [Early Introduction Permit issued.](#)

OxyClear® Additive 3500. Component of food packaging.

**8 Sept 2020:** [Certificates issued for pending applications for Low Volume Permits](#) (4 time-limited assessment certificates).

**8 Sept 2020:** [New Chemical Public Reports Published.](#)

Five LTD reports & two STD reports.

From: [www.industrialchemicals.gov.au/news-and-notice/regulatory-notice](http://www.industrialchemicals.gov.au/news-and-notice/regulatory-notice)

### • AICIS: Inventory Notices 24 Aug to 15 Oct 2020

**24 Aug 2020:** [Chemicals added to the Inventory 5 years after issue of Assessment Certificate](#)

(6 chemicals: CAS 190085-41-7, 68910-55-4, 144158-10-1, 61960-52-9, 247243-43-2 and 96022-48-9)

**28 Aug 2020:** [Variation of Invent. Listing following revocation of CBI Approval](#) for industrial chemical CAS No. 2415656-58-3

**8 Sept 2020:** [Chemicals added to the Inventory following issue of Assessment Certificate.](#) Industrial chemicals with CAS 91845-48-6 and CAS 678981-31-2 have been added to the Australian Inventory of Industrial Chemicals (AIIC).

**25 Sept 2020:** [Chemicals added to the Inventory 5 years after issue of Assessment Certificate.](#)

(10 chemicals CAS 2460842-85-5, 1190060-41-3, 2172951-29-8, 1226513-98-9, 1662689-47-5, 1639137-30-6, 1620990-76-2, 1639113-89-5, 467234-53-3 and 68412-87-3

**29 Sept 2020:** [Variation of Invent. listing following revocation of CBI Approval](#) for industrial chemicals CAS No.s 760987-80-2, 1062586-89-3, 125496-18-6 and 152231-43-1

**8 Oct 2020:** [Variation of Inventory listing following revocation of CBI Approval](#) for industrial chemicals CAS No.s 74951-91-0, 859766-55-5 and 68778-08-5

**15 Oct 2020:** [Chemical added to the Inventory following issue of Assessment Certificate.](#) Industrial chemicals with CAS 3470-98-2, 1352216-91-1, 2209852-19-5, 13897-55-7, 13897-56-8, 2248118-60-5 and 2248118-61-6 have been added to the Australian Inventory of Industrial Chemicals (AIIC).

From: [www.industrialchemicals.gov.au/news-and-notice/inventory-notice](http://www.industrialchemicals.gov.au/news-and-notice/inventory-notice)

## • AICIS: News and Updates 19 Aug to 16 Oct 2020

**19 Aug 2020:** [New! Guide to applying Online for an Assessment Certificate](#). AICIS have included screenshots with explainers that reflect the online application process.

[AICIS Guide](#) (17 Aug 2020, 2020 page pdf)

**21 Aug 2020:** [New Decision Tool to help you work out your Human Health Exposure Band](#) (HHEB), part of Step 4.3 of the categorisation process. AICIS have published a [new Self-Guided Tool](#) (webpage) to help you categorise your chemical importation or manufacture. **Note:** A copy of a completed Decision Tool is not sufficient to meet your record-keeping obligations. [Full List of Decision tools to help you Categorise your chemical importation or manufacture](#) (webpage) then each Decision Tool takes you to a further AICIS webpage.

**26 Aug 2020:** [Categorisation of chemicals Introduced for Research and Development](#) (webpage) – [Extra Guidance](#) – (webpage). **Note:** The introduction is **not** for distribution of the industrial chemical, or a product containing the industrial chemical, to potential customers in order to explore market capability in a competitive situation.

**27 Aug 2020:** [Learn about the AICIS Compliance Monitoring Program](#) (webpage). AICS will focus on introducers at higher risk of non-compliance as well as introductions that pose a higher risk to human health and the environment. AICIS will also modify its monitoring activities to accommodate emerging risks. [AICIS Compliance Monitoring Program](#) (webpage).

**2 Sept 2020:** [Extra Guidance on Categorising Polymers](#) (web page) takes you to [Categorisation of Polymers](#) (webpage).

IF your polymer has a Number Average Molecular Weight less than 1000 the information you need will be the same as for any other non-polymer chemical. For some High Molecular Weight Polymers, AICIS accept 'information waivers'.

**3 Sept 2020:** [Extra Guidance on Categorising Chemicals in Tattoo Inks](#) (webpage). [Categorisation of Chemicals in Tattoo Inks](#) (webpage).

**9 Sept 2020:** [Final message from the Executive Director, Dr Brian Richards](#). Dr Brian Richards retired as AICIS Executive Director on 30 Sept 2020. He served as Director of NICNAS since 2012, as well as having the responsibility for overseeing the development of AICIS and being its inaugural Executive Director.

**11 Sept 2020:** [Low-risk Flavour or Fragrance Blend Introductions and Pre-introduction Reports](#) (webpage). AICIS have added some new Scenario information in the FAQ section regarding Pre-Introduction Reports. [Updated FAQs on our Flavour and Fragrance chemicals page](#) (webpage).

From: [www.industrialchemicals.gov.au/news-and-notice/news-and-updates](http://www.industrialchemicals.gov.au/news-and-notice/news-and-updates)

## • AICIS: High Hazards Chemicals List

### List of Chemicals with High Hazards for Categorisation

Use this list to check if your industrial chemical has hazards in the highest human and environment hazard bands.

[List of Chemicals with High Hazard for Categorisation.xlsx](#)

(the List) is a list (with 4370 entries):

- of chemicals that trusted national and international sources consider (see Appendix 8.1 of the Categorisation Guidelines) to be highly hazardous to human health or the environment, with hazard characteristics that are in our highest hazard bands, and
- for introducers to use as a screening tool when categorising their introductions as Exempted, Reported or Assessed

#### You need to use List IF:

- you are working out your Introduction's category — as exempted, reported or assessed and
- our guidance tells you to search it to demonstrate that your chemical does not have certain hazard characteristics

**Note:** The List is a compilation of chemicals from each of the trusted sources. AICIS have **not** amended it, e.g. to remove chemicals: a/ that are on our Inventory; b/ that would not have an industrial use, or c/ in group entries that are related to use.

**Also:** AICIS have not done its own assessment of all the chemicals on the list.

From: [www.industrialchemicals.gov.au/help-and-guides/list-chemicals-high-hazards-categorisation](http://www.industrialchemicals.gov.au/help-and-guides/list-chemicals-high-hazards-categorisation)

*Editor:* I have explicitly included reference to this List in these Notes as the List is not easily found on the AICIS website when approached from the Categorisation webpages at:

[www.industrialchemicals.gov.au/help-and-guides/guide-categorising-your-chemical-importation-and-manufacture](http://www.industrialchemicals.gov.au/help-and-guides/guide-categorising-your-chemical-importation-and-manufacture)

[Step 1: Introductions that cannot be exempted or reported](#)

*has no reference to the List of Chemicals with High Hazards.*

*Editor:* **Please be aware that to also check:**

- 1/ IS your chemical covered by a **chemical group entry**?
- 2/ IF your chemical is a **Salt or an Ester**, check whether the **component chemicals which combine** to make your Ester or Salt are on the list.

## • AICIS: Reported Pre-Introduction Reports

**Reported Introductions:** You must submit a once-off Pre-Introduction Report for all Reported Introductions that are authorised under our Reported Category before you can import or manufacture them in Australia.

It is separate to your [Annual Declaration obligations](#).

If any circumstance of your Introduction changes, you must check it can still be categorised as a Reported Introduction &, if so, whether you need to vary your Pre-Introduction Report.

AICIS only publish information about a Reported Introduction, if you have used an Accepted International Risk Assessment to Categorise. AICIS consider these Internationally Assessed Reported Introductions to potentially be of higher risk and therefore publish the following information on our website after you submit your Pre-Introduction Report: *Chemical Name / End Use / Name of the International Assessment Body*.

**Note** that the AICIS Compliance Team monitors Introductions to make sure they're authorised under our Laws. You must [keep Records about your Introductions](#) (webpage) and give them to AICIS if we ask for them.

On the above webpage AICIS *have*: Example of Content for a Written Undertaking (highest indicative risk is low risk)

*And:* AICIS may ask for your Records to ensure your chemical introduction is authorised as a Reported Introduction. If this happens, you must provide all the information we ask for within 20 working days. If you don't meet this timeframe, any further introductions of your chemical, under the same circumstances, will not be authorised until we get the information.

You can download our Record-Keeping Checklists. In these Checklists, AICIS have indicated the type and level of information that AICIS expect to receive (if AICIS ask for it), to prove your chemical Introduction is authorised as a Reported Introduction.

[www.industrialchemicals.gov.au/business/reporting-and-record-keeping-obligations/record-keeping-obligations-reported-introductions/record-keeping-reported-introductions-highest-indicative-risk-low](http://www.industrialchemicals.gov.au/business/reporting-and-record-keeping-obligations/record-keeping-obligations-reported-introductions/record-keeping-reported-introductions-highest-indicative-risk-low)

**When you know the CAS No. &/or Proper Name for your chemical:** e.g. **10/** Records to prove any known hazard classification for your chemical. e.g. **11/** Detailed information, including full study reports, of the kind specified in the Guidelines to demonstrate the absence of certain human health and environment hazard characteristics that would otherwise render the Introduction medium to high risk.

From: [www.industrialchemicals.gov.au/business/reporting-and-record-keeping-obligations/pre-introduction-reports](http://www.industrialchemicals.gov.au/business/reporting-and-record-keeping-obligations/pre-introduction-reports)

Editor: I am aware that such supporting Records have already been requested by AICIS for a Reported Introduction.

### AICIS Video — Reporting & Record-Keeping Obligations

[Transcript Reporting and Record-Keeping.pdf](#) (11 pages)     [Slides Reporting and Record-Keeping.pdf](#) (29 slides)

[www.industrialchemicals.gov.au/help-and-guides/video-guides-learn-about-aicis-and-your-obligations/video-reporting-and-record-keeping-obligations](http://www.industrialchemicals.gov.au/help-and-guides/video-guides-learn-about-aicis-and-your-obligations/video-reporting-and-record-keeping-obligations) (26 minute [Video as mp4](#))

## Scheduled Poisons & TGA Issues

### • Poisons Standard Oct 2020 (SUSMP No.31)

[SUSMP No. 31 \(Poisons Standard October 2020\)](#)

The 725 page [Standard](#) registered **30 Sept 2020**.

The SUSMP:

- is a record of decisions regarding the classification of medicines and chemicals into Schedules for inclusion in relevant legislation of the States and Territories;
- includes model provisions about containers and labels, and recommendations about other controls on medicines and chemicals.

Editor: *The Index, starting at pdf page 403 is 323 pages long. It cross references & informs what Schedule, Appendix applies.*

[www.legislation.gov.au/Details/F2020L01255/Download](http://www.legislation.gov.au/Details/F2020L01255/Download)

[www.legislation.gov.au/Details/F2020L01255/c1b04814-b87b-4486-bde7-01b467289b42](http://www.legislation.gov.au/Details/F2020L01255/c1b04814-b87b-4486-bde7-01b467289b42) (725 page pdf)

Changes are detailed in the [Explanatory Statement](#) (html) (& 3 page [pdf](#)) supporting Poisons Standard October 2020 at: [www.legislation.gov.au/Details/F2020L01255/Download](http://www.legislation.gov.au/Details/F2020L01255/Download)

From: [www.tga.gov.au/publication/poisons-standard-susmp](http://www.tga.gov.au/publication/poisons-standard-susmp)

### • Poisons Std Oct 2020 - Explanatory Statement

The Poisons Standard October 2020 incorporates:

In relation to amendments made to existing (chemical) entries that are reflected in the Poisons Standard October 2020, public comment was invited on matters referred to the March 2020 ACCS and Joint ACMS-ACCS meetings, as follows:

The invitation to comment in relation to marker dyes and pigments was published on the TGA website on [6 Jan 2020](#), with a closing date of 10 February 2020. The Delegates' final decisions were published on the TGA website in relation to marker dyes and pigments, on [24 Aug 2020](#).

Amendments have also been made to include Phosphoric Acid and Acitretin in Appendix F to reflect concerns relating to the need for warning statements and general safety directions for these substances.

From the [Explanatory Statement \(html\)](#) at: [www.legislation.gov.au/Details/F2020L01255/Download](http://www.legislation.gov.au/Details/F2020L01255/Download)

## 24 Aug 2020: Final Decisions incorporated into the Oct 2020 Poisons Standard.

[Sodium Bromide](#); [Polyoxin D Zinc Salt](#); [Tigilanol Tiglate](#); [Selenium](#); [Fomesafen Sodium](#)

From: [www.tga.gov.au/scheduling-decision-final/public-notice-final-decisions-acms29-accs27-joint-acms-accs24-march-2020](http://www.tga.gov.au/scheduling-decision-final/public-notice-final-decisions-acms29-accs27-joint-acms-accs24-march-2020)

### • Hydrochlorothiazide – Increased Skin Cancer Risk

#### 24 Aug 2020 - TGA Safety Advisory:

Epidemiological studies have found that there is an increased risk of non-melanoma skin cancers associated with medicines containing Hydrochlorothiazide. The two most common types of non-melanoma skin cancer are Basal Cell Carcinoma (BCC) and Squamous Cell Carcinoma (SCC). Hydrochlorothiazide is known to cause photosensitivity, and it is thought that this is the reason for an increased risk of developing non-melanoma skin cancer.

The TGA is working with sponsors of products that contain Hydrochlorothiazide to include a warning about the increased risk of non-melanoma skin cancers, together with advice about avoiding ultraviolet (UV) exposure and getting regular skin checks, in their PI and CMI documents.

From: [www.tga.gov.au/alert/hydrochlorothiazide](http://www.tga.gov.au/alert/hydrochlorothiazide)

*Editor:* I've included this TGA Safety Advisory as Hydrochlorothiazide, such as "Dithiazide", is a Diuretic and is the most common Diuretic that is used to treat High Blood Pressure (Hypertension), usually in combination with other blood pressure medicines.

### • Scheduling Invitations and Submissions

Consultation 16 Sept 2020 (closed 28 Sept 2020):

#### Proposed Amendments via ACCS #9:

##### 2.1 Azoxystrobin, CAS No.: 131860-33-8

**Alternative name:** Methyl (E)-2-[2-[6-(2-cyanophenoxy) pyrimidin-4-yl]oxyphenyl]-3-methoxyprop-2-enoate (IUPAC)

#### Proposed Schedule 5 - Amend Entry to:

AZOXYSTROBIN except in suspension concentrate preparations containing 10% or less Azoxystrobin.

**Key uses / expected use:** Agriculture, pesticide formulations, to treat a variety of fungal diseases.

In acute toxicity studies in rats, 10% Azoxystrobin was of low acute oral toxicity and dermal toxicity. Azoxystrobin was a slight skin and eye irritant in rabbits, but was not a skin sensitiser in guinea pigs (maximisation test).

##### 2.2 Triticonazole, CAS No.: 131986-72-7

**Alternative name:** (RS)-(E)-5-(4-chlorobenzylidene)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl) cyclopentanol (IUPAC)

#### Proposed Schedule 5 - Amend Entry to:

TRITICONAZOLE except in suspension concentrate preparations containing 20%t or less Triticonazole.

**Key uses / expected use:** Agriculture, pesticide formulations, to treat a variety of fungal diseases.

In acute toxicity studies in rats, 20% Triticonazole was of low acute oral toxicity and dermal toxicity. Triticonazole was a slight skin and eye irritant in rabbits, but was not a skin sensitiser in guinea pigs (maximisation test).

#### Proposed Amendments via ACMS-ACCS #26:

##### 3.2 2-Hydroxyethyl Methacrylate, CAS No.: 868-77-9

**Alternative name:** 2-Hydroxyethyl Methacrylate, Ethylene Glycol Mono Methacrylate, HEMA.

Proposed Schedule 5 - Amend Entry to:

2-HYDROXYETHYL METHACRYLATE except:

- a. when included in dental restorative preparations for therapeutic use or in nail preparations when labelled "Avoid contact with skin";
- or
- b. in other preparations not for human therapeutic or cosmetic use containing 1 per cent or less of 2-hydroxyethyl methacrylate.

**Key uses / expected use:** Cosmetic, domestic, commercial, medical devices etc.

#### Three of the Reasons put forward by the applicant:

2-Hydroxyethyl Methacrylate is not hazardous to human health at low concentrations in preparations that are not cosmetics or for therapeutic use. It is proposed that a lower limit be added consistent with the entries for Methyl- & Ethyl-Methacrylate to support the supply of products containing the substance at low concentrations without warnings that imply a hazard that does not exist.

Methyl- & Ethyl-Methacrylate are listed in Schedules 6 & 5 respectively for preparations containing >1% of the substances. However, the lack of a lower limit in the listing for 2-Hydroxyethyl Methacrylate makes this listing more onerous than those for the related substances that have been acknowledged to be more toxic.

The proposed change is not expected to have any impact to public health as concentration of 2-Hydroxyethyl Methacrylate of <1% would not cause the preparation in which it is included to be considered hazardous. The change would allow the substance to be used in non-cosmetic & non-therapeutic preparations at low concentrations without precautionary warnings.

### 3.3 Magnesium Hydroxide, CAS No: 1309-42-8

**Alternative name:** Dihydroxy Magnesium

**Proposed Scheduling:** A request has been made to formally exclude Magnesium Hydroxide from Scheduling via inclusion in Appendix B, Substances Considered Not to Require Control by Scheduling.

**Key uses / expected use:** Pesticide formulation, medicines and medical devices.

Magnesium Hydroxide is an inorganic compound with the formulation Mg(OH)<sub>2</sub>. It occurs naturally in the environment as the mineral 'Brucite'. It has many uses including: flame retardants, antiperspirant/deodorant, wastewater treatment, food additive (E528) and in human medicines, orally as an antacid, laxative and tocolytic and dermally for the topical treatment for canker sores.

Although Magnesium Hydroxide is an ingredient in a number of veterinary feed additives, it has not been approved by APVMA as an active constituent or listed in the SUSMP.

Magnesium hydroxide is of low oral, dermal and inhalation toxicity and is not an eye or skin irritant or sensitiser. Evidence indicates magnesium salts are neither genotoxic nor carcinogenic and have no effects on fertility, reproduction and development. Observed adverse effects from repeated exposure to high doses are due to an electrolyte imbalance manifested by increased Mg<sup>2+</sup>/Ca<sup>2+</sup> blood level ratios. Effects are reversible on cessation of exposure.

### 3.4 Tetrahydrofurfuryl Alcohol (THFA), CAS No.: 97-99-4

**Alternative names:** Oxolan-2-yl Methanol: Tetrahydrofuran-2-yl Methanol  
A request has been made to include THFA in the Poisons Standard as follows:

**Proposed Schedule 6 - New Entry:** Tetrahydrofurfuryl Alcohol, excluding its derivatives.

**Key uses / expected use:** Cosmetic, agriculture, industrial use, medicines

THFA is classified as hazardous in the Hazardous Chemical Information System (HCIS) (Safe Work Australia), based on Serious Eye Irritation and Reproductive Toxicity.

From: [www.tga.gov.au/consultation-invitation/consultation-proposed-amendments-poisons-standard-acms-accs-and-joint-acmsaccs-meetings-november-2020](http://www.tga.gov.au/consultation-invitation/consultation-proposed-amendments-poisons-standard-acms-accs-and-joint-acmsaccs-meetings-november-2020)

## • Public Submissions on Scheduling Matters

*Editor:* Comment on Chemicals only.

### Nicotine (ACMS-ACCS #25 proposed Amdmt) 23 Sept 2020

13 Consultation Submissions (I have included a selection)

[Australian Medical Association \(AMA\) \(pdf\)](#)

[Australian Tobacco Harm Reduction Assoc'n \(ATHRA\) \(pdf\)](#)

[Legalise Vaping Australia \(pdf, 9Mb\)](#)

[The Pharmacy Guild of Australia \(pdf\)](#)

[Australian Retail Vaping Industry Association \(ARVIA\) \(pdf\)](#)

[Cancer Council \(WA\) \(pdf\)](#)

[Public Health Association Australia \(PHAA\) \(pdf\)](#)

[The Royal Aust. & NZ College of Psychiatrists \(pdf\)](#)

From: [www.tga.gov.au/scheduling-submission/public-submissions-scheduling-matters-referred-joint-acms-accs-25-meetings-held-june-2020-nicotine](http://www.tga.gov.au/scheduling-submission/public-submissions-scheduling-matters-referred-joint-acms-accs-25-meetings-held-june-2020-nicotine)

### Isothiazolinones, Methylisothiazolinone and Methylchlorisothiazolinone

(ACMS-ACCS #25 proposed Amdmt) 22 Sept 2020

15 Consultation Submissions (I have included a selection) [Accord \(pdf\)](#)

[Australasian College of Dermatologists \(pdf\)](#)

[Australian Medical Association \(AMA\) \(pdf\)](#)

[Australian Pesticides & Veterinary Medicines Authority \(pdf\)](#)

[Ego Pharmaceuticals \(pdf\)](#)

[New Zealand Paint Manufacturers Association Inc. \(pdf\)](#)

[The Pharmacy Guild of Australia \(PGA\) \(pdf\)](#)

[Australian Food and Grocery Council \(AFGC\) \(pdf\)](#)

[Australian Paint Manufacturers' Federation Inc. \(APMF\) \(pdf\)](#)

[Chemistry Australia \(pdf\)](#)

[Natures Organics \(pdf\)](#)

[Procter & Gamble Australia \(pdf, 1.6Mb\)](#)

From: [www.tga.gov.au/scheduling-submission/public-submissions-scheduling-matters-referred-acms-31-and-joint-acms-accs-25-meetings-held-june-2020](http://www.tga.gov.au/scheduling-submission/public-submissions-scheduling-matters-referred-acms-31-and-joint-acms-accs-25-meetings-held-june-2020)

(ACCS #27 proposed Amdmt) 11 Sept 2020

Arbutin (3 Consultation Submissions)

[Accord \(pdf\)](#)

[Complementary Medicines Australia \(pdf\)](#)

[Naturopaths & Herbalists Association of Australia \(NHAA\) \(pdf\)](#)

Picramic Acid (1 Consultation submission)

[Accord \(pdf\)](#)

(ACMS-ACCS #24 proposed Amdmt) 11 Sept 2020

Marker Dyes & Pigments (1 Consultation submission)

[Accord \(pdf\)](#). Accord notes that the intent of the new entry is to provide clarity regarding the scheduling of marker dyes used in the agricultural & veterinary industry, and that the applicability of the proposed definition to existing and/or new marker dye or pigment products would be subject to a separate consideration under an amendment to the Poisons Standard.

From: [www.tga.gov.au/scheduling-submission/public-submissions-scheduling-matters-referred-acms-29-accs-27-and-joint-acms-accs-24-meetings-held-march-2020-0](http://www.tga.gov.au/scheduling-submission/public-submissions-scheduling-matters-referred-acms-29-accs-27-and-joint-acms-accs-24-meetings-held-march-2020-0)

## • Scheduling Delegate's Interim Decisions

Chemicals covered include:

**9 Sept 2020: Interim decisions** on proposed amendments referred to Joint ACMS-ACCS #25, June 2020.

### [4.2 Interim Decision In Relation To Isothiazolinones, Methylisothiazolinone and Methylchloroisothiazolinones](#)

A Delegate of the Secretary has made a decision to defer the interim decision for **Isothiazolinones, Methylisothiazolinone and Methylchloroisothiazolinones**, until **June 2021**. This is to allow for further consideration of appropriate cut-offs and for consultation with key stakeholders that will be affected by any change in the scheduling of these substances.

The Joint ACMS-ACCS #25 was in support of this decision.

**Consultation Closed:** 13 Oct 2020

From: [www.tga.gov.au/book-page/42-isothiazolinones-methylisothiazolinone-and-methylchloroisothiazolinones](http://www.tga.gov.au/book-page/42-isothiazolinones-methylisothiazolinone-and-methylchloroisothiazolinones)

**23 Sept 2020: In relation to Nicotine** - Notice & Invitation to comment on an interim decision to amend the Poisons Std.

Proposed changes to the way Nicotine is supplied.

[Download pdf](#); [Download docx](#) (23 Sept 2020, 12 pages)

**Consultation Closes:** 6 Nov 2020

From: [www.tga.gov.au/scheduling-decision-interim/notice-interim-decision-amend-current-poisons-standard-relation-nicotine](http://www.tga.gov.au/scheduling-decision-interim/notice-interim-decision-amend-current-poisons-standard-relation-nicotine)

## • Scheduling Delegate's Final Decisions

Chemicals covered include:

**24 Aug 2020: Final decision** on proposed amendments referred to Joint ACMS-ACCS #24, March 2020.

### [3.3.3 Final decision in relation to Nicotine \(Heated Tobacco Products \(HTPs\)\)](#)

A Delegate of the Secretary has made a final decision to confirm the interim decision, which is not to amend the current scheduling of Nicotine in the Poisons Standard, specifically, not exempt from Schedule 7 Nicotine when in tobacco when prepared and packed for heating.

This Decision has taken into consideration the 85 public submissions received before the second closing date.

(A Delegate of the Secretary is) satisfied that HTPs can expose users long term to a range of known and unknown toxicants. I am not satisfied that the dosage, formulation, packaging and presentation of Nicotine in HTPs mitigates the risk profile of nicotine such as to warrant a less restrictive scheduling classification than is currently in place.

From: [www.tga.gov.au/book-page/332-nicotine-heated-tobacco-products](http://www.tga.gov.au/book-page/332-nicotine-heated-tobacco-products)

## • Delegate's Final Decision in Relation to Melatonin

**28 Sept 2020: Schedule 3 - New Entry**

MELATONIN in modified release tablets containing 2 mg or less of melatonin for monotherapy for the short term treatment of primary insomnia characterised by poor quality of sleep for adults aged 55 or over, in packs containing ≤30 tablets.

APPENDIX H (Schedule 3 Medicines Permitted to be Advertised)

- New Entry - MELATONIN

The Delegate: I have not identified any compelling evidence which establishes that melatonin can be safely supplied to consumers, by a pharmacist, outside the current approved indications, which include a restriction to individuals ≥55 years

An editorial revision to the explanation of the dosage cut-off in the Schedule 3 entry (has been made) to state to '2mg or less' to clarify the intended capture is inclusive of formulations containing 2mg of modified release melatonin.

The recent approval of a medicine containing 1mg modified release Melatonin which is indicated for use in children up to 18, has been noted, which is captured by Schedule 4.

A delayed implementation date of 1 June 2021.

From: [www.tga.gov.au/scheduling-decision-final/notice-final-decision-amend-current-poisons-standard-relation-melatonin](http://www.tga.gov.au/scheduling-decision-final/notice-final-decision-amend-current-poisons-standard-relation-melatonin)

## • TGA: Prohibition on Importing e-cigarettes containing Vaporiser Nicotine

**26 June 2020:** The implementation timeframe for the proposed prohibition on the importation of e-cigarettes containing vaporiser Nicotine (Nicotine in solution or in salt or base form) and Nicotine-containing refills unless on prescription from a doctor, has been extended by six months to 1 January 2021 ([weblink to Health website](#), see following).

There are many Questions & Answers on the TGA webpage.

From: [www.tga.gov.au/behind-news/prohibition-importing-e-cigarettes-containing-vaporiser-nicotine](http://www.tga.gov.au/behind-news/prohibition-importing-e-cigarettes-containing-vaporiser-nicotine)

### Health Website – Federal Minister for Health:

There is a second group of people who have been using these e-cigarettes with Nicotine as a means to ending their cigarette smoking. In order to assist this group in continuing to end that addiction we will therefore provide further time for implementation of the change by establishing a streamlined process for patients obtaining prescriptions through their GP.

For this reason, the implementation timeframe will be extended by six months to 1 January 2021.

The Victorian Poisons Centre reported a near doubling of Nicotine poisons between 2018 (21 cases) and 2019 (41 cases), primarily caused by imported products of dubious safety and quality.

From: [www.health.gov.au/ministers/the-hon-greg-hunt-mp/media/prescription-nicotine-based-vaping](http://www.health.gov.au/ministers/the-hon-greg-hunt-mp/media/prescription-nicotine-based-vaping)

## Food Chemical Issues

### • A1191: Mono- and Diglycerides of Fatty Acids (INS 471) as Glazing Agent for Fruits & Vegetables

**3 Sept 2020:** This application is to extend the permission of the food additive Mono- and Diglycerides of Fatty Acids (INS 471) as a surface coating on fruit & vegetables to increase postharvest shelf life. Mono- and Diglycerides of Fatty Acids do not differ significantly from dietary lipids.

Supporting Document 1 - Risk & Technical Assessment (which includes the Executive Summary). 28 pages ([pdf](#)) | ([docx](#))

From: [www.foodstandards.gov.au/code/applications/Pages/A1191.aspx](http://www.foodstandards.gov.au/code/applications/Pages/A1191.aspx)

### • A1210: Maltogenic Alpha Amylase Enzyme from GM Saccharomyces Cerevisiae

**25 Sept 2020:** This application seeks to permit a new source microorganism, being a genetically modified Saccharomyces cerevisiae, for the permitted enzyme, Maltogenic Alpha Amylase. The Maltogenic  $\alpha$ -Amylase enzyme is produced from the S. Cerevisiae production strain by fermentation, isolation and formulation.

Executive Summary 3 pages ([pdf](#))

From: [www.foodstandards.gov.au/code/applications/Pages/A1210.aspx](http://www.foodstandards.gov.au/code/applications/Pages/A1210.aspx)

## Agricultural Chemicals

### • Review of the AgVet Chemicals Regulatory System

**Comment closed 28 Aug 2020:** (Editor – Sorry. I missed this Review, as the APVMA did not alert to it on their website in March 2020, nor since)

There are significant changes proposed.

In the Issues Paper, in particular read Annex 1 & Annex 2.

**Annex 1: Summary of Reform Proposals and Panel Preferences** (pages 105-110)

**Annex 2: Proposal—New Definition of Agricultural Chemical and Veterinary Medicine** (pages 111-113)

**Issues Paper:** (125 pages) ([pdf](#)) ([docx](#))

There are 89 Documents for Submissions available at:

<https://haveyoursay.awe.gov.au/agvet-chemicals-regulatory-reform/widgets/312307/documents>

Some Submissions / Documents that caught my attention are:

[Accord pdf](#); [Accord attachment A \(pdf\)](#)

[Alison Bleaney, Tasmanian Public & Environ'l Health Network \(pdf\)](#); [AB attach A \(docx\)](#); [AB attach B \(docx\)](#); [AB attach C \(docx\)](#)

[Australian Council of Trade Unions \(ACTU\) \(pdf\)](#)

[Australian Pesticides & Veterinary Medicines Authority \(pdf\)](#)

[Chemistry Australia \(pdf\)](#)

[CropLife Australia \(pdf\)](#)

[NASAA Organic \(pdf\)](#)

[National Farmers Federation \(pdf\)](#)

[Pesticide Action Group of WA \(PAGWA\) \(pdf\)](#); [Attach A \(docx\)](#)

[Safe Work Australia \(docx\)](#)

[Bibliography of NTN Supplied Resources \(docx\)](#)

From: <https://haveyoursay.awe.gov.au/agvet-chemicals-regulatory-reform>

## • BICON Alert - Risk Background: Stock Feed etc

**8 Oct 2020:** The Federal Dept of Agriculture, Water & the Environment has published a [Risk Background for Stock Feed, Stock Feed Ingredients and Stock Feed Additives](#). This document outlines factors that contribute to the underlying level of biosecurity risk associated with stock feed imports into Australia. It also provides a summary of risk management measures that the department takes into consideration during an import permit application.

**This Alert affects:** Importers (and their Customs Brokers) who wish to import stock feed, stock feed ingredients and stock feed additives into Australia, and department staff.

From: <https://bicon.agriculture.gov.au/BiconWeb4.0/ViewElement/Element/Alert?elementPk=1378747>

## • SDSs & Imported Containerised Fertiliser

**17 Sept 2020: Import Industry Advice Notice 157-2020**

Importers and customs brokers when lodging import documentation for clearance must also provide a copy of the manufacturer's Safety Data Sheet to Inspections Group (IG) biosecurity officers, prior to the commencement of inspection.

The import conditions for mined and chemical fertiliser in BICON have been updated to include an [information notice to reflect this requirement](#), effective 17 Sept 2020.

*Editor: I can't see any reference to SDSs in the above Information Notice weblink.*

*Fertiliser Example* [BICON Case: Effective 7 Oct 2020 - Fertilisers - Mined or chemical \(natural or synthetic\) ingredients — Solid form — Samples, containerised and/or bagged in ships hold — Risk Level 2 — Samples or bagged in container](#)

"Importers and customs brokers must provide all relevant safety information pertaining to hazardous chemicals, **including a copy of the manufacturer's safety data sheet**, directly to the inspecting Biosecurity Officer prior to inspection commencing."

Further information contact Sea Cargo ph: 1800 900 090 or email: [imports@agriculture.gov.au](mailto:imports@agriculture.gov.au)

From: [www.agriculture.gov.au/import/industry-advice/2020/157-2020](http://www.agriculture.gov.au/import/industry-advice/2020/157-2020)

*Editor:* I interpret "manufacturer's safety data sheet" to be your trading company's specific SDS covering the specific Fertiliser to be inspected, & NOT a generic SDS found on the internet.

## • Business Qld: Records of Ag Chemical Applications

**21 Aug 2020:** The Qld [Chemical Usage \(Agricultural and Veterinary\) Control Regulation 2017](#) (last modified 14 Aug 2020) and the Qld [Agricultural Chemicals Distribution Control Act 1966](#) collectively outline the types of records that must be made and kept for all agricultural chemical use, which has now been extended to all agricultural chemical users.

Records must be made within 3 days of using a prescribed agricultural ERA product or within 2 days of any other use of an agricultural chemical.

Record can be used to: a/ identify chemical use patterns; b/ analyse the effectiveness of chemicals; c/ assist in the design and implementation of integrated pest management programs; d/ assess chemical resistance strategies; e/ conduct financial planning and budgeting exercises; f/ meet legal obligations; g/ demonstrate due care & attention.

From: [www.business.qld.gov.au/industries/farms-fishing-forestry/agriculture/land-management/chemical-controls/using-chemicals/keeping-records](http://www.business.qld.gov.au/industries/farms-fishing-forestry/agriculture/land-management/chemical-controls/using-chemicals/keeping-records)

## • APVMA: 2,4-D Final Regulatory Decision

**3 Sept 2020:** The APVMA has published the Final Regulatory Decision for the Review of 2,4-D, **which will ensure products containing 2,4-D can continue to be used safely and effectively, and meet legislative criteria.**

APVMA Special Gazette 3 Sept 2020 (108 pages) [pdf](#) | [docx](#)

The **Review Technical Report** concluded that:

**Unless the total toxic equivalents of the 17 toxicologically significant congeners of PCDDs and PCDFs in 2,4-D active constituents was restricted** to no more than one part of the 17 toxicologically significant congeners of PCDDs and PCDFs per billion parts of 2,4-D Acid equivalent (no more than 1 nanogram of toxic equivalents of the 17 toxicologically significant congeners of PCDDs and PCDFs per gram of 2,4-D acid equivalent) **health-adverse occupational exposures to these impurities may occur AND would not result in unacceptable food residues and is not a risk to the environment.**

*Enquiries about the Decision should be directed to* [ChemicalReview@apvma.gov.au](mailto:ChemicalReview@apvma.gov.au)

From: <https://apvma.gov.au/node/73231>

And: <https://apvma.gov.au/node/73206>

## • APVMA: Cancellation / Suspension of prior 2,4-D Labels

**Special Gazette, 30 Sept 2020:** [pdf](#) | [docx](#) (49 pages)

The APVMA has cancelled the label approvals in Table 1 and suspended the label approvals in Table 2.

Specifically, the APVMA is **not satisfied** that:

1. the label particulars provide adequate instructions to ensure, as far as reasonably practicable, that the 2, 4-D chemical products meet the safety criteria as set out in section 5A of the Agvet Code;



2. the first aid instructions and safety directions on the labels are adequate to minimise unacceptable exposure and risks;
3. an adequate grazing withholding period is reflected on the labels;
4. the label particulars regarding the maximum residue limits for various food commodities are adequate to mitigate the risks associated with food residues;
5. buffer zones on the labels are adequate to mitigate the risks to non-target terrestrial plants and to mitigate the risks to aquatic species due to spray drift exposure;
6. the label particulars are adequate to mitigate the risks to aquatic species due to run-off exposure, to mitigate the risks to aquatic ecosystems associated with the use of 2,4-D products for aquatic weed control and to mitigate the risks to non-target terrestrial arthropods that are associated with the use of products containing 2,4-D ethylhexyl ester as an active constituent.

From: <https://apvma.gov.au/node/74151>

Editor: There are instructions for managing this; & warnings.

## • EPA NZ: Reassessing Chlorpyrifos Insecticides

**23 Sept 2020:** Grounds exist to reassess the controversial insecticides, Chlorpyrifos, and the related compound Chlorpyrifos-Methyl.

Chlorpyrifos is currently approved in New Zealand for commercial use in crops, as a veterinary medicine, and as a timber treatment chemical. It is an Organophosphate, meaning it has an active ingredient that kills bugs and insects in orchards, vineyards, vegetable and cereal crops.

The European Commission has not renewed its approval for the substance, Australia has cancelled domestic use, and Canada has proposed cancelling most existing uses.

New Zealand studies have detected the presence of Chlorpyrifos in streams, air, and soil.

Establishing grounds is a specific NZ legal requirement that must be met under the NZ Hazardous Substances and New Organisms (HSNO) Act before an application can be made for a substance to be reassessed. A Reassessment is a formal review of the rules controlling a substance that is already in use in New Zealand.

[Full Decision on the Grounds for Re-Assessment](#) (6 page pdf)

[The EPA NZ's Priority Chemicals List](#) (currently 39 chemicals)

From: [www.epa.govt.nz/news-and-alerts/latest-news/first-step-towards-reassessing-controversial-insecticide/](http://www.epa.govt.nz/news-and-alerts/latest-news/first-step-towards-reassessing-controversial-insecticide/)

Editor: Some serious health hazards the Decision mentioned are Genotoxic Potential; and Toxic for Reproduction.

## Dangerous Goods

### • IATA Dangerous Goods 2021 Manuals Updates

**Sept 2020:** [Significant Changes & Amendments](#) to the 61st Edition (2020) of the IATA Dangerous Goods Regulations (4p pdf)

Editor: Some changes that caught my attention:

**1.5 - Training Requirements.** Subsection 1.5 as shown in Appendix I in the 61st edition has been adopted to implement a competency-based approach to Dangerous Goods training and assessment.

**3 – Classification** e.g. 3.8.3 - Revisions to the criteria for assignment of packing groups to corrosive substances and mixtures.

#### 4.2 - List of Dangerous Goods

Addition of a new Proper Shipping Name, Dangerous Goods in Articles to UN 3363;

UN 2216, Fish meal, stabilized—Has been revised. Rather than being forbidden/forbidden, Fish meal, stabilized is now permitted on both passenger aircraft and Cargo Aircraft Only;

Addition of “stabilized” to the Proper Shipping Name for UN 2522, 2-Dimethylaminoethyl methacrylate.

#### 4.4 – Special Provisions

Significant revisions to A154 to address damaged and defective lithium batteries;

New Special Provisions include: A215—assigned to UN 3077 & UN 3082 which permits the shipper to use a listed Proper Shipping Name as the Technical Name; and A219—assigned to UN 2216, Fish meal, stabilized specifying that antioxidants must be added to the fish meal to prevent spontaneous combustion.

**5 – Packing** e.g. PI 962 - Has been revised to include reference to the new proper shipping name **Dangerous Goods in Articles** and to use “article” or “articles” in place of “machinery or apparatus”.

**6 - Packaging Specifications and Performance Tests** e.g. The revisions to Section 6 include: Clarification of the size of the UN specification marks on packagings (6.0.4.1, 6.5.3.1); Revision to the maximum capacity for metal aerosols (6.1.7.2);

#### 7 - Marking & Labelling

7.1.4.4.1—Has been revised to clarify the height of the UN/ID number and the letters “UN” or “ID” on packages.

7.1.5.5.3—The minimum dimensions of the Lithium Battery Mark have been revised.

From: <https://dgtraining.com/knowledge-base/significant-changes-and-amendments-to-the-62nd-edition-2021-of-the-iaa-dangerous-goods-regulations/>

IATA Dang. Goods Docs: [www.iaa.org/en/programs/cargo/dgr/download/](http://www.iaa.org/en/programs/cargo/dgr/download/)

[IATA Changes Video](#) (with Dave Brennan) (6 min)

Obtain from: [www.iaa.org/en/publications/manuals-updates/](http://www.iaa.org/en/publications/manuals-updates/)

## • Vic Review: Dangerous Goods Act 1985 & Regul'ns

**1 Oct 2020:** Independent Review of the Victorian Dangerous Goods Act 1985 and associated Regulations. The Consultation Paper seeking submissions from interested parties has been released.

The Review is part of the Victorian Government's response to high profile incidents associated with illegal chemical stockpiling at several sites across Melbourne.

The Review is considering contemporary issues and challenges in the management of Dangerous Goods including emerging risks and issues and their impact on the safety of people and property.

The primary purpose of this public consultation is to facilitate broader public discussion about the management of Dangerous Goods in Victoria.

The Consultation Paper raises a number of issues which address the Review's Terms of Reference – some broad, some more specific – and suggests ways in which those issues might be addressed. It also discusses Victoria's Dangerous Goods landscape, the current Regulatory framework and presents a list of questions to assist in making a submission.

e.g. The Review is considering whether a Licence requirement be introduced for Dangerous Goods sites that are High Risk, but don't meet the threshold to be characterised as an MHF.

The Review's Terms of Reference - as contained in the Consultation Paper (2 page pdf)

From: [https://engage.vic.gov.au/download\\_file/34678/4592](https://engage.vic.gov.au/download_file/34678/4592)

Consultation Paper - Independent Review of the Vic Dangerous Goods Act & Associated Regulations - Andrew Palmer QC, Oct 2020 (69 page pdf)

From: [https://engage.vic.gov.au/download\\_file/34677/4592](https://engage.vic.gov.au/download_file/34677/4592)

Questions that the Review is seeking views on - as contained in the Consultation Paper (3 page docx)

From: [https://engage.vic.gov.au/download\\_file/34509/4592](https://engage.vic.gov.au/download_file/34509/4592)

**Submissions accepted until: 5pm Mon 30<sup>th</sup> Nov 2020.**

The final report is due to be provided to the Victorian Minister for Workplace Safety in mid-2021.

From: 1 Oct 2020 email [DGReview@worksafe.vic.gov.au](mailto:DGReview@worksafe.vic.gov.au) & [www.engage.vic.gov.au/independent-review-dangerous-goods-act-1985-and-regulations](http://www.engage.vic.gov.au/independent-review-dangerous-goods-act-1985-and-regulations)

**Editor's Comment:** There are several discussions where Mr Andrew Palmer QC informs for a suggested approach on an issue: "It is unlikely to have very much impact on illegal operators (the "deliberately evasive" duty-holder archetype)."

The 69 page Consultation Paper has several pictures of non compliant warehouses in the document that appear to be from the illegal chemical waste warehouses found.

Overall a very interesting discussion asking for input from knowledgeable practitioners and specialists.

**Editor's Comment:** A key issue that is not discussed (other than indirectly under Q9 on Permissioning Frameworks), is the expected level of training of consultants and specialists, as there are no Degree University courses nor Advanced Diploma TAFE courses in Chemical Management in Victoria (nor in the rest of Australia)! Currently a Chemical Engineering Graduate with additional needed subjects, must Apprentice themselves in this field in some manner (for several years).

We need technical competencies added into the Act & Regs.

## • NSW Dangerous Goods (Road & Rail Transport) Reg'n

**9 Oct 2020:** The [NSW Dangerous Goods \(Road and Rail Transport\) Regulation 2014](#) was amended to reflect the new edition of the ADG Code and Model Law, ensuring that the model legislation is implemented in NSW.

The main changes to the Regulation are to:

- ensure the Exemption from packaging requirements is correctly applied to dangerous goods packed in Excepted Quantities;
- provide for increased Placard Load Limits and reduced documentation requirements for Limited Quantities and Domestic Consumable Dangerous Goods;
- clarify the obligations in relation to the transport of Nominally Empty Storage Vessels;
- prohibit a Prime Contractor from directing or inducing a driver to contravene Part 13 of the Australian Code for the Transport of Dangerous Goods by Road and Rail; and
- prescribe New Penalties and penalty notice Amounts.

EPA NSW, *Dangerous Goods, Environmental Solutions alert*

## • Victoria: Industry Health & Safety Buffers

**16 Sept 2020:** Vic Dept of Environment, Land, Water and Planning (DELWP) - Planning for Amenity, Health and Safety Buffers.

How best to manage the interface between industries and sensitive uses is a longstanding planning issue. Encroachment of incompatible uses, such as residential development, could threaten the ongoing viability of industries and could expose communities to risks.

The draft DELWP Buffer Area Overlay could be used to identify areas where there is potential for off-site impacts on safety or human health from industry, warehouse or other uses, to ensure that use and development within buffer areas is compatible with those impacts.

*Editor:* These Amenity, Health & Safety Buffers between industries and sensitive uses are particularly relevant to Major Hazard Facilities & Dangerous Goods sites that are High Risk, (though they are not specifically included at this stage).

**Draft Buffer Area Overlay** (2 page docx)

[https://engage.vic.gov.au/download\\_file/33825/3112](https://engage.vic.gov.au/download_file/33825/3112)

**Draft Buffer Area Overlay - Landfill Example Schedules:**

“Gumnut Landfill – Landfill Gas Migration Buffer Area” (5p docx) [https://engage.vic.gov.au/download\\_file/33826/3112](https://engage.vic.gov.au/download_file/33826/3112)

## Guidance and Required Information

**Draft Buffer Area Overlay Guidance & Req'd Information:**

Introduction / Compliance / Impacts / Assessment / Preparing an Amendment / BAO – Step by Step / BAO – Step by Step (Landfill Scenario) / FAQs (8p pdf) [https://engage.vic.gov.au/download\\_file/34125/3112](https://engage.vic.gov.au/download_file/34125/3112)

**Draft Buffer Area Overlay Guidance & Req'd Information**

Introduction / Compliance / Impacts / Assessment / Preparing an Amendment / BAO – Step by Step / BAO – Step by Step (Landfill Scenario) / FAQs [same info as the pdf as 11p docx] [https://engage.vic.gov.au/download\\_file/34136/3112](https://engage.vic.gov.au/download_file/34136/3112)

DELWP is inviting feedback on the draft overlay through the survey on the Engage website below.

Consultation Closed: 14<sup>th</sup> Oct 2020

From: <https://engage.vic.gov.au/planning-amenity-health-and-safety-buffers>

There are additional links on the Engage website to:

## FAQ - Buffer Area Overlay

- [What is the draft Buffer Area Overlay?](#)
- [Could the Buffer Area Overlay be applied to MHFs?](#)
- [Where can I find more info on the draft Buffer Area Overlay?](#)
- [Will a planning practice note be created?](#)

## Links

- [Planning Practice Note 92: Managing buffers for land use compatibility](#)
- [Government response to the MHF Advisory Committee](#)
- [Govt response to the Independent Inquiry into the Vic EPA](#)
- [Consultation Report, May 2019 - Planning for buffers and separation distances](#)
- [Vic DELWP Planning website - Planning for buffers and separation distances](#)

## • WorkSafe Vic: Chemical Stockpiles - Charges

**26 Aug 2020:** WorkSafe Victoria has charged Bradbury Industrial Services Pty Ltd with 5 aggravated offences under the Victorian Dangerous Goods Act, in relation to alleged chemical stockpiles at three warehouses in Craigieburn and two in Campbellfield.

At each site WorkSafe Vic alleges the company knew, or ought to have known, that its failure to take all reasonable precautions to prevent any fire or explosion would likely endanger the safety or health of another person, property or the environment.

The charges are in addition to 35 already filed in the Melbourne Magistrates' Court in relation to the Campbellfield and Craigieburn sites.

The company, now in liquidation, has also been charged with three offences over an explosion and chemical fire at another Campbellfield warehouse in April 2019.

From: [www.worksafe.vic.gov.au/news/2020-08/aggravated-charges-alleged-chemical-stockpiles](http://www.worksafe.vic.gov.au/news/2020-08/aggravated-charges-alleged-chemical-stockpiles)

## • EPA NSW: Maintenance & D. Goods Transporters

**29 Sept 2020:** A maintenance reminder for NSW's Dangerous Goods transporters not to neglect regular maintenance of their vehicles.

Working alongside Transport for NSW and the NSW Police Force, the EPA NSW declared their latest Dangerous Goods truck and driver compliance operation a success after intercepting and inspecting 10 vehicles carrying Dangerous Goods at Port Botany on 17 September 2020.

Three of the 10 vehicles were found to have weeping fuel tank seals. These drivers were directed to proceed to their destination before having the vehicles repaired, with evidence of those repairs to be provided to the EPA NSW prior to resuming service.

One transport company was found to have an insufficient emergency information number displayed on their truck.

From: [www.epa.nsw.gov.au/news/media-releases/2020/epamedia200929-a-maintenance-reminder-for-nsws-dangerous-goods-transporters](http://www.epa.nsw.gov.au/news/media-releases/2020/epamedia200929-a-maintenance-reminder-for-nsws-dangerous-goods-transporters)

## • NSW: Underground Mine Explosives Test Facility

**10 Sept 2020:** NSW has launched an underground mine explosives facility on the NSW Central Coast to encourage further innovation and development of explosive testing.

The independent underground mine explosives facility is the only one in Australia, and will aim to enhance the number of explosives that are suitable for underground coal mine use, while also furthering their safety development.

The facility will be managed by the Mine Safety Technology centre within the [NSW Resources Regulator](#).

From: [www.australianmining.com.au/news/australia-gets-first-mine-explosives-test-facility/](http://www.australianmining.com.au/news/australia-gets-first-mine-explosives-test-facility/)

Also: [www.resourcesregulator.nsw.gov.au/news/2020/new-explosives-testing-facility-opened-in-nsw](http://www.resourcesregulator.nsw.gov.au/news/2020/new-explosives-testing-facility-opened-in-nsw)

Alerted by the AIDGC What's Happening Sept 2020 newsletter

For AIDGC info see: [www.aidgc.org.au](http://www.aidgc.org.au)

## • NZS Std 5433: Transport of Dang. Goods on Land

**NZS 5433 2020** is finalised and expected to be released in Oct 2020. The cost is expected to be <NZ\$100

Check for the 2020 edition at: [www.standards.govt.nz](http://www.standards.govt.nz).

## • WA DMIRS: Safe Storage of Ammonium Nitrate

**2 Oct 2020:** Safety Bulletin 0320 (2 pages)

[Safe Storage of Ammonium Nitrate \(Safety Bulletin 0320\)](#)

Or: [www.dmp.wa.gov.au/Documents/Dangerous-Goods/DGS\\_SB\\_no-0320-SafeStorageAmmoniaNitrate.pdf](http://www.dmp.wa.gov.au/Documents/Dangerous-Goods/DGS_SB_no-0320-SafeStorageAmmoniaNitrate.pdf)

**18 Sept 2020:** Pamphlet (6 sides)

[Safe Storage and Transport of Ammonium Nitrate](#)

Or: [www.dmp.wa.gov.au/Documents/Dangerous-Goods/DGS\\_P\\_AmmoniumNitrate.pdf](http://www.dmp.wa.gov.au/Documents/Dangerous-Goods/DGS_P_AmmoniumNitrate.pdf)

From: [www.dmp.wa.gov.au/Dangerous-Goods/Dangerous-Goods-258.aspx](http://www.dmp.wa.gov.au/Dangerous-Goods/Dangerous-Goods-258.aspx) then search Documents & Publications

## • Transport Canada: 2020 Emerg. Response Guidebook

**July 2020:** This Guidebook is for firefighters, police, and other emergency responders who are often the first to arrive at a transportation incident involving Dangerous Goods.

This Guide will help first responders: **a/** identify hazards based on the material involved in a transportation incident; **b/** protect themselves and the public during the initial response to an incident.

### Some of the Links:

[Corrections to the Guidebook](#)

[List of changes between the 2016 and 2020 editions](#)

[Download the mobile app version of the 2020 Guidebook](#)

[Download the 2020 Guidebook's desktop software](#)

[Access the web version of the 2020 Guidebook](#)

[Download the PDF version of the 2020 Guidebook](#)

[ERG 2020](#) (396 page pdf)

Also: <https://tc.canada.ca/sites/default/files/2020-08/PDF%20English.pdf> (396 page pdf)

From: <https://tc.canada.ca/en/dangerous-goods/canutec/2020-emergency-response-guidebook>

Editor: 2018 Aust. ERG Book is based on the 2016 version.

## Environmental Notes on Chemicals

### • EPA NSW: Contaminated Land - Sampling Design

**21 Sept 2020:** Sampling Design Guidelines for Contaminated Land. They include a guide to best practice approaches (in two parts) such as the number of samples to be taken, types of sampling strategies to use, statistical analyses methods to interpret results and provide worked examples.

Stakeholders can have their say on the consultation website at <https://yoursay.epa.nsw.gov.au/> or providing submissions via email: [CLM.Consultation@epa.nsw.gov.au](mailto:CLM.Consultation@epa.nsw.gov.au), **by 8 Nov 2020**.

[Part 1 Application](#) (84 page pdf)

[Part 2 Interpretation](#) (77 page pdf)

From: [www.epa.nsw.gov.au/news/news/2020/sampling-design-guidelines-for-contaminated-land](http://www.epa.nsw.gov.au/news/news/2020/sampling-design-guidelines-for-contaminated-land)

&: <https://yoursay.epa.nsw.gov.au/sampling-design-guidelines>

## • EPA NSW: Guidelines for Underground Tanks

**24 Sept 2020:** Guidelines for Implementing the NSW Protection of the Environment Operations (Underground Petroleum Storage Systems) Regulation 2019.

The new NSW Guidelines 2020 better reflect & support the new 2019 Regulation. The NSW EPA is seeking the views of the community and industry on these guidelines before they are finalised and gazetted.

Feedback closed Friday 16<sup>th</sup> Oct 2020 via online questionnaire or emailing your submission to [UPSSREG@epa.nsw.gov.au](mailto:UPSSREG@epa.nsw.gov.au)

[Underground Petroleum Storage System Guidelines](#) (47p pdf)

[UPSS Technical Note-Decommissioning, Abandonment and Removal of UPSS](#) (12 page pdf)

[UPSS Technical Note-Site Validation Reporting](#) (16 page pdf)

From: <https://yoursay.epa.nsw.gov.au/guidelines-underground-fuel-tanks>

And: [www.epa.nsw.gov.au/news/media-releases/2020/epamedia200914-feedback-invited-for-new-guidelines-on-underground-storage-systems](http://www.epa.nsw.gov.au/news/media-releases/2020/epamedia200914-feedback-invited-for-new-guidelines-on-underground-storage-systems)

## • EPA NSW: Hazardous Waste Unsafe Storage Fine

**12 Oct 2020:** The EPA NSW has fined Environmental Treatment Solutions Pty Ltd \$15000 for allegedly failing to safely store hazardous chemicals at its Minto waste facility.

On 3 July 2020, the EPA NSW inspected and found evidence of unsafe storage of multiple chemicals, which should have been safely stored separately.

The \$15000 fine reflects the seriousness of the matter and the risk of a dangerous reaction. The EPA NSW inspection found more than four tonnes of mixed hazardous wastes in the receivals area. These included Oxidizing Agents, Acids, Alkalis, Flammable Liquids & Gases, & Combustibles.

From: [www.epa.nsw.gov.au/news/media-releases/2020/epamedia201012-hazardous-waste-company-fined-\\$15k-for-unsafe-storage](http://www.epa.nsw.gov.au/news/media-releases/2020/epamedia201012-hazardous-waste-company-fined-$15k-for-unsafe-storage)

## • EPA NSW: Ammonia Gas Breach Harmed 26 People

**14 Aug 2020:** The NSW Land and Environment Court has found Bartter Enterprises Pty. Limited guilty of discharging Ammonia Gas during upgrades to a poultry processing facility at Beresfield NSW that caused the evacuation of an adjoining processing building.

The NSW EPA commenced the prosecution after 17 people were treated by ambulance onsite and a further 9 employees were transported to hospital and were treated for chemical exposure following an incident at the facility in mid-2018.

Bartter engaged a contractor to undertake upgrades to its ammonia refrigeration system at the premises when the gas was introduced to an open system. After the gas was introduced to a circuit it was subsequently discharged into the atmosphere. Ammonia was then detected in an adjacent building.

From: [www.epa.nsw.gov.au/news/media-releases/2020/epamedia200814-company-found-guilty-over-gas-breach-which-harmed-26-people](http://www.epa.nsw.gov.au/news/media-releases/2020/epamedia200814-company-found-guilty-over-gas-breach-which-harmed-26-people)

## • EPA Vic: Waste and Recycling Guide

**2 Oct 2020:** Publication 1825: Waste and Recycling - Guide to preventing harm to people and the environment

This Guide outlines how to manage the risks in the waste and recycling sector, including examples of how this can be done using a simple four-step process. This Guide also provides an outline of your legal obligations, starting with the General Environmental Duty (GED), and what actions you can take to comply with the new Victorian Laws. (30 page pdf)

[www.epa.vic.gov.au/-/media/epa/files/publications/1825.pdf](http://www.epa.vic.gov.au/-/media/epa/files/publications/1825.pdf)

From: [www.epa.vic.gov.au/about-epa/publications/1825](http://www.epa.vic.gov.au/about-epa/publications/1825)

## • EPA Vic: Boosted resources to tackle waste crime

**18 Sept 2020:** More than 70 specialist officers will join the new Waste Crime Prevention Inspectorate to reduce waste crime.

This recruitment drive will hire forensic accountants to tackle illegal phoenix activity, surveillance officers, intelligence analysts and more environmental protection officers to reinforce EPA Vic's zero tolerance approach to waste crime.

The new officers will target activities like illegal waste dumping, the unsafe storage & transport of waste and landfill levy fraud.

The EPA Vic Waste Crime Prevention Inspectorate will work with WorkSafe Victoria, Victoria Police, emergency services agencies, local government and other Regulators.

Additional money is being invested to better detect, prevent, investigate and prosecute waste crime through Recycling Victoria – the Government's ten-year plan to transform the state's waste and recycling sector. The Government is also delivering money for new infrastructure to process high-risk and hazardous waste safely.

Recent initiatives include the introduction of an electronic waste tracking system to better track hazardous waste; using drones to detect illegal activity; as well as a record number of inspections and prosecutions for dangerous and criminal behaviour.

From: [www.premier.vic.gov.au/boost-epa-resources-tackle-waste-crime](http://www.premier.vic.gov.au/boost-epa-resources-tackle-waste-crime)

## • EPA Vic: Manufacturing Guide to preventing Harm

**2 Oct 2020:** This Guide outlines how to manage the risks in manufacturing, including examples of how this can be done using a simple four-step process. This guide also provides an outline of your legal obligations, starting with the General Environmental Duty (GED), and what actions you can take to comply with the new laws. (28 page pdf)

[www.epa.vic.gov.au/-/media/epa/files/publications/1822.pdf](http://www.epa.vic.gov.au/-/media/epa/files/publications/1822.pdf)

From: [www.epa.vic.gov.au/about-epa/publications/1822](http://www.epa.vic.gov.au/about-epa/publications/1822)

## • EPA Vic: Magnesium Demonstration Plant

**17 Sept 2020:** EPA Vic has approved a proposed demonstration plant that will trial producing Magnesium and other industrial materials from Brown Coal power station waste proposed to be built in the industrial precinct south of Morwell.

The proposal is for a pilot plant that would use 24000 tonnes per year of fly-ash from the Yallourn Power Station to produce 3000 tonnes of Magnesium metal. The fly-ash is a waste product from the burning of brown coal and would otherwise be sent to landfill.

There are also plans to investigate the reuse of the wastes produced, in road construction and the production of steel, agricultural fertiliser, barbecue fuel and cement. Additional approvals from EPA Vic will be required.

The applicant has also established a dedicated website [LatrobeMagnesium.com](http://LatrobeMagnesium.com) where members of the public can provide comments or request information. Australia currently imports 100% of the 8000 tonnes of Magnesium it consumes.

From: [www.epa.vic.gov.au/about-epa/news-media-and-updates/news-and-updates/epa-approves-18-month-magnesium-demonstration-plant](http://www.epa.vic.gov.au/about-epa/news-media-and-updates/news-and-updates/epa-approves-18-month-magnesium-demonstration-plant)

## • EPA Vic: Disposing of Masks & Protective Gear

**19 Aug 2020:** The instruction sheet shows how to dispose of PPE from: - Households; - Workplaces; - High risk industries

*Don't dispose of face masks or other PPE in Recycling bins.*

Fact Sheet (14 Aug 2020, 2 page pdf):

[www.epa.vic.gov.au/-/media/epa/files/publications/1898.pdf](http://www.epa.vic.gov.au/-/media/epa/files/publications/1898.pdf)

From: [www.epa.vic.gov.au/about-epa/publications/1898](http://www.epa.vic.gov.au/about-epa/publications/1898)

**Households:** Single-use PPE worn during regular daily activities, such as exercise or buying groceries, should be placed in a general waste bin.

For households with a suspected or diagnosed COVID-19 case, place disposable PPE and tissues **into a sealed plastic or paper bag**, and then in your general waste bin. Thoroughly clean your hands before and after carrying rubbish to your general waste bin or moving bins to and from the kerbside.

**Workplaces:** For workplaces that are **not** high-risk industries, place disposable PPE in a tied-off bag and in your general waste bin.

**High Risk Industries:** See the Fact Sheet 1898 for details

From:

[www.epa.vic.gov.au/about-epa/news-media-and-updates/news-and-updates/how-to-dispose-of-masks-and-other-protective-gear](http://www.epa.vic.gov.au/about-epa/news-media-and-updates/news-and-updates/how-to-dispose-of-masks-and-other-protective-gear)

## • AU: Environmental Risk Mgmt of Industrial Chemicals

**7 Oct 2020: Environmental Management - the Use and Disposal of Industrial Chemicals**

The Federal Government will provide \$9.1 million over five years from 2019-20 (and \$1.3 million per year ongoing) to provide advice to introducers and users of industrial chemicals on how a chemical that poses a risk to the environment should be managed. This work is the first step in the Government's implementation of the National Standard for Environmental Risk Management of Industrial Chemicals.

The cost of this measure will be recovered through a levy applied alongside the annual registration charge for chemical introducers under the Industrial Chemicals Act 2019.

From: Budget Paper No. 2 [https://budget.gov.au/2020-21/content/bp2/download/bp2\\_complete.pdf](https://budget.gov.au/2020-21/content/bp2/download/bp2_complete.pdf) (Appendix A p226)

From: <https://budget.gov.au/2020-21/content/documents.htm>

"The National Standard has been developed by all Australian governments to efficiently and effectively manage the impacts of industrial chemicals on the environment, while providing consistent requirements for businesses across Australia."

The Draft Standard and many support documents. E.g.

[Draft Industrial Chemicals Environmental Management \(Register\) Bill \(51 page pdf\)](#)

[Explanatory Notes – Overview of the proposed Legislative Framework \(5 page pdf\)](#)

[Draft Industrial Chemicals Environment Management Register Principles \(11 page pdf\)](#)

From: [www.environment.gov.au/protection/chemicals-management/national-standard/draft-legislation](http://www.environment.gov.au/protection/chemicals-management/national-standard/draft-legislation)

*Editor:* This legislative framework starts with the Very Ecotoxic chemicals but eventually will cover all chemicals. There are additional evaluation costs charged for new chemicals under this legislation.

There is a significant overlap with existing legislation around managing use, disposal & discharge of chemicals to the environment. It is not clear how this National Standard (when finalised) will be workable across the States & Territories and mesh with AICIS requirements.

## • WA DMIRS: Hydraulic Fracture Stimulation

[Hydraulic Fracture Inquiry: WA State Government's Implementation Plan](#)

[What is Hydraulic Fracturing?](#) The chemical additives in the fluid serve the following purposes: a/ to make the fluid thicker and suspend the sand in the fluid; b/ to allow the fluid to flow more easily into the fractures; c/ to prevent corrosion damage to the well; d/ to stop bacteria build up; and e/ to leave the sand proppant in the newly-created fractures.

[Chemicals used in Hydraulic Fracturing:](#) The chemicals are assessed against: a/ toxicity to humans; b/ toxicity to the environment; c/ biodegradation, bioaccumulation potential and persistence; d/ potential chemical routes and exposure pathways; and e/ health & environmental standards.

[Well design and integrity for Hydraulic Fracturing](#)

[Introduction to Unconventional Resources:](#) Oil and natural gas trapped in less permeable rocks is referred to as an unconventional resource because it cannot be explored, developed and produced by conventional processes.

[Environmental Spill Incidents](#)

[Water Use and Management for Hydraulic Fracturing](#)

From: [www.dmp.wa.gov.au/Petroleum/Hydraulic-Fracture-Stimulation-25633.aspx](http://www.dmp.wa.gov.au/Petroleum/Hydraulic-Fracture-Stimulation-25633.aspx)

**16 September 2020:** The [Financial Assurance Position Paper](#) (29 July 2020 9 page pdf) released by the WA Government, outlines the WA Government's proposal to adopt key provisions within the Commonwealth's existing Offshore Petroleum and Greenhouse Gas Storage Act 2006 regulatory framework that suitably align with the WA petroleum regime.

From: [www.hydraulicfracturing.wa.gov.au/updates/](http://www.hydraulicfracturing.wa.gov.au/updates/)

*Editor:* I have included this Note to help us better understand what is involved with Hydraulic Fracture Stimulation. Can our water resources really be protected from this type of mining?

## • AU Standards – <https://infostore.saiglobal.com/>

<https://infostore.saiglobal.com/en-au/Search/Standard/?sortBy=date-desc&productFamily=STANDARD>

[ISO 17200:2020:](#) Nanotechnology — Nanoparticles in powder form — Characteristics and Measurements (to determine the size, the chemical content and the surface area). Published 1 Sept 2020, pdf AU\$96.97.

[BS 8468-4:2020:](#) Respiratory Protective Devices for use against Chemical, Biological, Radiological and Nuclear (CBRN) agents. Powered air purifying respirators, intended to be used during rescue, evacuation, escape, hazard containment and decontamination, and similar activities. Specification. Published 25 Aug 2020. Hardcopy or pdf AU\$258.13.

## • Draft Standards Open for Public Comment

Standards Australia has updated its process for downloading a Draft Standard. Visitors to SAI Global Infostore (above) are no longer able to download the drafts (even though most are in the SAI Global search list (website as above)).

**All drafts are now available directly from Standards Australia** by clicking on "Download draft". There is a simple "word" search function. <https://sapc.standards.org.au/sapc/public/listOpenCommentingPublication.action>

[DR AS 2030.2:2020:](#) The verification, filling, inspection, testing and maintenance of cylinders for the storage and transport of compressed gases **Part 2:** Cylinders for Dissolved Acetylene. 24pages. *Comment closed 20 Oct 20.* AS 2030.2-1996 Rev'n.

[DR AS TR 15916:2020:](#) Basic Considerations for the safety of Hydrogen systems. 10 pages. *Comment by 3 Dec 2020*

*Note: Comment must be via the Hub. Any emails or forms sent to Standards Australia by fax or mail will not be considered by the Committee when it reviews the Public Comment received.*

## • NFPA Codes, Reports, News

All NFPA documents are at: [www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards](http://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards)

Current NFPA Stds Newsletter: [www.nfpa.org/Codes-and-Standards/Standards-development-process/NFPA-News](http://www.nfpa.org/Codes-and-Standards/Standards-development-process/NFPA-News) (pdf)

NFPA News-&-Research: [www.nfpa.org/News-and-Research](http://www.nfpa.org/News-and-Research)

[www.nfpa.org/News-and-Research/Data-research-and-tools/Hazardous-Materials](http://www.nfpa.org/News-and-Research/Data-research-and-tools/Hazardous-Materials)

### Standards Seeking Public Development Input

For a complete listing of NFPA standards accepting Public Input, please go to [www.nfpa.org/publicinput](http://www.nfpa.org/publicinput)

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For a complete listing of NFPA standards accepting Public Comment, please go to [www.nfpa.org/publiccomment](http://www.nfpa.org/publiccomment)

Choose a document for comment from the [List Of NFPA Codes & Standards](#) or filter by Development Stage for "codes accepting public comment".

As part of its commitment to enhancing public safety, NFPA makes its Codes & Standards available for **free online**.

## Courses, Seminars etc, Networks

### • DGAG Webinar Chat Meetings, 21 Oct & 25 Nov

Dangerous Goods Advisory Group Webinar meetings, **Wed 21<sup>st</sup> Oct & Wed 25<sup>th</sup> Nov 2020**). 5.30-7.30pm Chat Meetings.  
You can join before from 5.20pm and stay on after for a bit.

Info: [www.haztech.com.au/click-this-tab-for-a-list-of-all-meetings-conferences-seminars-workshops/](http://www.haztech.com.au/click-this-tab-for-a-list-of-all-meetings-conferences-seminars-workshops/)

If you would like to be added to my Dangerous Advisory Group / Chemical Hazard Communication Network meeting email issues list, please email [Jeff.Simpson@haztech.com.au](mailto:Jeff.Simpson@haztech.com.au). You don't have to be in Melbourne, to be on this email list.

### • IChemE: Fundamentals of Process Safety, Perth

**Perth, 16-20 November 2020:** IChemE's flagship process safety training course is essential for anyone involved in the design, modification, operation and maintenance of a major hazard or process plant.

All process safety fundamentals are covered and participants will emerge with a better understanding of the key principles of process safety and its management.

Cost: Non-Members \$4090, IChemE Members \$3565.

Email: [austcourses@icheme.org](mailto:austcourses@icheme.org), ph: 03-9642-4494

From: [www.icheme.org/career/training/courses/fundamentals-of-process-safety/16-20-november-perth-australia/](http://www.icheme.org/career/training/courses/fundamentals-of-process-safety/16-20-november-perth-australia/)

### • IChemE: Fundamentals of Process Safety, Brisbane

**Brisbane, Delayed** due to Covid 19. Maybe Late 2020.

From: [www.icheme.org/career/training/courses/fundamentals-of-process-safety/register-your-interest-brisbane-australia/](http://www.icheme.org/career/training/courses/fundamentals-of-process-safety/register-your-interest-brisbane-australia/)

### • IChemE: Fundamentals of Process Safety, Melbourne

**Melbourne, Delayed** due to Covid 19. Maybe Early 2021.

From: [www.icheme.org/career/training/courses/fundamentals-of-process-safety/register-your-interest-melbourne-australia/](http://www.icheme.org/career/training/courses/fundamentals-of-process-safety/register-your-interest-melbourne-australia/)

### • IChemE Bulk Solids Handling for Chemical Engineers

**Melbourne: Delayed** due to Covid 19. Maybe Early 2021.

From: [www.icheme.org/career/training/courses/bulk-solids-handling-for-chemical-engineers/date-to-be-advised-melbourne-australia/](http://www.icheme.org/career/training/courses/bulk-solids-handling-for-chemical-engineers/date-to-be-advised-melbourne-australia/)

### • IChemE Practical Distillation Technology Course

**Melbourne: Delayed** due to Covid 19. Maybe Early 2021.

From: [www.icheme.org/career/training/courses/practical-distillation-technology/tbc-melbourne-australia/](http://www.icheme.org/career/training/courses/practical-distillation-technology/tbc-melbourne-australia/)

### • IChemE HAZOP Study: Leaders & Team, Perth

**Perth: 3-5 Nov 2020:** This course provides effective, realistic training for HAZOP team members and leaders using examples drawn from a range of industry sectors.

As well as presentations covering all the essential aspects of the method, you will participate in workshops on HAZOP for continuing processes, sequential operations and computer-controlled plant. You will also learn more about the relationship between HAZOP and other hazard identification methods and hazard studies.

Cost: Non-Members \$4040, IChemE Members \$3515.

Email: [austcourses@icheme.org](mailto:austcourses@icheme.org), ph: 03-9642-4494

<https://www.icheme.org/career/training/courses/hazop-leadership-and-management/3-5-november-perth-australia/>

### • IChemE HAZOP Study: Leaders & Team, Brisbane

**Brisbane, Delayed** due to Covid 19. Maybe Late 2020. Information and costs (as for Perth above).

From: [www.icheme.org/career/training/courses/hazop-study-for-team-leaders-and-team-members/register-your-interest-brisbane-australia/](http://www.icheme.org/career/training/courses/hazop-study-for-team-leaders-and-team-members/register-your-interest-brisbane-australia/)

### • Chemical Regulatory Compliance Mgmt Forums

#### REACH24 Free Forums

Management of Global Pesticide Registration

Date: 19-27 Nov 2020 Time (GMT+8): 14:00-17:00

Chemical Regulatory Compliance Management

Date: 23 Nov 23 - 7 Dec 2020 Time (GMT+8): 14:00 - 17:40

Safety Management of Food Contact Materials

Date: 10 Dec 10 2020 Time (GMT+8): 14:00 - 17:00

From: <https://reach24h.us19.list-manage.com/track/click?u=e5e03bc33713343201ce5b9c6&id=9727b3a4db&e=06b5ea8e6d>



## • IChemE Training – On-Line Courses

The on-line courses are available to purchase as Live online courses.

For example:

[Chemical Engineering for Scientists and Other Engineers](#)

Process Operations (20.5hrs) 20 Oct + 27 Oct + 3 Nov 2020:

Non-Members £1296+VAT, IChemE Members £1080+VAT.

And purchase as On-Demand recordings.

For example an On-Demand Course:

[An Introduction to HAZOP](#) 2 CPD Hrs £149 + VAT

From: [www.icheme.org/career/training/online-courses/](http://www.icheme.org/career/training/online-courses/)

## • OECD: Management Systems for Chemicals

**3 Nov 2020 - 4 Nov 2020:** VIRTUAL - Global Forum on Environment: Towards cost-effective management systems for industrial and consumer chemicals. Forum from: France, Paris

**Presentation:** The Global Forum on Environment will discuss the challenges posed by chemicals, provide knowledge on effective and sustainable policies for the sound management of chemicals. Together, leading actors in the field of chemicals management will promote effective engagement, collaboration and action on the sound management of chemicals and waste. This includes regulators and policy makers in charge of chemical safety in OECD member and partner countries as well as relevant stakeholders from International Governmental Organisations, private industry organisations and companies, civil society, philanthropies and more.

**Session 1:** Acting now: why improving the management of chemicals is crucial. **Session 2:** Challenges with setting-up and implementing cost-effective management systems for industrial and consumer chemicals.

**Session 3:** The Covid-19 crisis and its possible impacts on future chemicals management systems. **Session 4:** Conclusions – Opportunities for future collaborative actions

From: [www.oecd.org/chemicalsafety/globalforumonenvironmenttowardscost-effectivemanagementsystemsforindustrialandconsumerchemicals.htm](http://www.oecd.org/chemicalsafety/globalforumonenvironmenttowardscost-effectivemanagementsystemsforindustrialandconsumerchemicals.htm)

## • How to Run a Successful Remote HAZOP Workshop

**R4Risk 25 May 2020:** How to Run a Successful Remote HAZOP Workshop Webinar Recording (35 minutes) (no cost).

Traditionally, HAZOPs are conducted with the team in the same room. During COVID-19, this option is not available.

Elio Stocco (Director & Principal Risk Consultant) presented on how to run a successful remote hazard and operability (HAZOP) workshop.

From: <http://r4risk.com.au/wp/webinar/how-to-run-a-successful-remote-hazop-workshop/>

For future and previous R4Risk Webinars go to: <http://r4risk.com.au/wp/webinar/>

## • R4Risk: On Line HAZOP Team Member Training

**19 Nov 2020 9.30am to 1.30pm:** An online live training course (i.e. not pre-recorded) designed to provide participants with a sound understanding of the principles behind [HAZOP](#) studies, so they can effectively contribute as a member of a HAZOP team. Cost \$500.

<http://r4risk.com.au/wp/online-training/online-hazop-team-member/>

**Haztech Environmental:** Chemical Hazard Classifications done & reviewed. SDSs prepared & reviewed. Labels prepared & reviewed. Chemical Management & Safety Regulatory Advice & Compliance: checked for NICNAS, APVMA, FSANZ, TGA; prepared & reviewed for Dangerous Goods & Combustible Liquids, GHS Hazardous Chemicals / Hazardous Substances, Environmentally Hazardous Substances, Scheduled Poisons, and other Chemical and Physical Hazards e.g. for Reactivity and Dust Explosion.

*I can come and work in your office, which provides better access to data with improved security, plus good technical contact with relevant personnel. This allows the work to be done more quickly and comprehensively. I also work from my home office, in Ashburton, Victoria, where I maintain an extensive reference library, developed over 30 years whilst preparing these Notes.*

**Contact:** Jeff Simpson, Hazardous Materials & Regulatory Affairs Consultant, Haztech Environmental, 18 Laurel St, Ashburton 3147, Australia, 61-(0)3-9885-1269, 61-(0)403-072-092, [Jeff.Simpson@haztech.com.au](mailto:Jeff.Simpson@haztech.com.au), Website: [www.haztech.com.au](http://www.haztech.com.au).

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