Hazmat & Environment Notes Aug - Oct 2021

Hazardous Chemicals 2

- ECHA: SVHC Chemicals in EU Products 2
- ECHA: Chemicals Adopted by the RAC in Sept 21 2
- ECHA Guide: Classifying & Labelling Titanium Dioxide 2
- EPA USA: Octamethylcyclotetra-Siloxane D4 Risk Eval'n 2
- ECHA: PFAS Restriction Intention Proposed 2
- WorkSafe Qld: Truck Driver exposed to Phosphine gas 2

Chemical Management 2

- ECHA: Safer Chemicals Conference Information 2
- ECHA: Reduced Animal Allergy Testing Guideline 3
- OECD Video: Skin Sensitisation Defined Approaches 3
- AU HCIS still Missing Exposure Standards Notes 3
- Safe Work Australia News: 23 Aug-15 Oct 2021 3
- WorkSafe Vic: New Clinic for Silicosis Testing 3
- WA DMIRS: ThinkSafe Magazine Sept 2021 3
- UK COSHH Essentials: Direct Advice Sheets 4
- EPA USA: Screening Chemicals - Thyroid Effects 4
- Environment NZ: Improving Chemical Assessment 4
- EPA NZ: Hazardous Substances Update #212 4
- EPA NZ: Hazardous Substances Update #213 4
- Work Safe NZ: WES & BEI proposed changes 2021 4
- UNEP: Rebuilding the Ozone Layer (Story to Read) 5
- GHS: 9th Revised Edition (pdf now available) 5
- CSB: Investigations & Incidents Aug 21- Oct 21 5
- USA OSHA Quick Takes e-News: Oct 2021 5

AICIS (Industrial/Cosmetic Chemicals) 5

- AICIS: Regulatory Notices 19 Aug to 18 Oct 5
- AICIS: Inventory Notices 17 Aug to 18 Oct 2021 6
- AICIS: News and Updates 23 Aug to 18 Oct 2021 6

Scheduled Poisons & TGA Issues 7

- Poisons Standard Oct 2021 (SUSMP No.34) 7
- Poisons Std Oct 2021 - Explanatory Statement 7
- TGA: Prescription Nicotine Vaping Products 7
- Scheduling Invitations 7
- Scheduling Delegate's Final Decisions 8
- Scheduling Delegate's Interim Decisions 8
- Poisons Std Interim: Hand Sanitiser Definition Added 8
- Consumer Goods (Cosmetics) Information Std 2020 8
- Qld: Medicines, Poisons & Pest Management Regs 9

Food Chemical Issues 9

- FSANZ Highly Concentrated Caffeine Dangers 9
- EFSA: Titanium Dioxide no longer considered safe 9

Agricultural Chemicals 9

- APVMA: Agricultural Labelling Code Review 9
- APVMA: Pesticides Regulatory Newsletter 10
- APVMA Proposed Section 6E Active Constituent Stds 10
- APVMA Annual Report 2020–21 10
- APVMA: Cyflumetofen - New Ag Active 10
- APVMA: Isocycloseram - New Ag Active 11
- APVMA: Molinate Proposed Regulatory Decision 11
- ECHA & EFSA: Glyphosate Parallel Consultations 11
- EPA USA: Pesticides & Aquatic Life & Eco Risk 11
- EPA NZ: Hydrogen Cyanamide Active Review 11
- EPA NZ: Reassessing the Fungicide Chlorothalonil 12
- EPA NZ: Reassessing 3 Organophosphate Insecticides 12
- Glyphosate: Bayer loses Appeal against Court Ruling 12

Dangerous Goods 12

- WorkSafe Vic: DG Digest Newsletter 12
- Worksafe Vic: New DG (S&H) Regs Explained 13
- WorkSafe Vic: Major Hazard Facilities Regs 2021 13
- SafeWork SA: LPG Risk of Inhalation Warning Label 13
- IATA Dangerous Goods Regulations Manual 2022 13
- IATA Lithium Battery Shipping Regulations 2022 13
- IMDG Code 2020 (incorporating Amendment 40-20) 14
- Alert: Lithium Ion Batteries & Vehicles - Hazards 14
- UN/OECD Seminar on 2020 Beirut Port Explosion 14
- Leverkusen DE: Solvent Storage Tanks Explosion 14

Environmental Notes on Chemicals 14

- AW&E: National Plastics Plan 14
- Aotearoa New Zealand National Plastics Action 15
- AW&E: Breaches of Ozone Protection Laws - Fines 15
- EPA Vic: Environmental Auditors Public Register 15
- EPA NSW: Accredited Site Auditors 15
- EPA Vic: Lemon Springs Haz Waste Update 15
- EPA Vic: VIVA Energy Fined for Chemical Spill 15
- EPA Vic: Waste Tracker (Updated) 15
- EPA NSW: POEO Regulations Remade (Interim) 15
- EPA NSW: Recycle & Reuse Solar Panels & Batteries 16
- UK Govt: Plan for a Hydrogen Economy 16
- EPA WA: Earl Grey Lithium Project (Revised) 16
- CSIRO: Plastic Waste Advanced Recycling Technologies 16
- EPA USA: Pyrolysis & Gasification Units Rulemaking 16
- UNEP: Resource Extraction in a "Circular" World 16
- CEFIC: More Safe & Sustainable Chemicals: How? 17

Standards & Codes 17

- AU & DIN Standards – https://infostore.saiglobal.com/ 17
- AU Draft Standards Open for Comment 17
- Aged Standards Review 2021 18
- ISO Standards via NZ Standards 18
- NZ Draft Standards 18
- NFPA Codes, Reports, News 18

Seminars, Conferences 19

- A Risk Based Approach to Haz. Area Classif'n 19
- Worksafe Vic: New DG (S&H) Regs Explained 19
- DGAG Discuss/Chat Combined Meeting 17 Nov 21 19
- AIDGC Conference 25th Feb 22 West Ryde & Webinar 19
- Chemical Management Online Accredited Course 19
- AIOH: Scientific (Face-to-Face) Conference 19
- R4Risk Online Training / Webinars / Presentations 19
- IChemE Training 19
- Various Chemical Management Courses 19

Hazmat & Environment Notes are prepared by:

Jeff Simpson Chemical Management & Regulatory Consultant, Editor & Publisher

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.

Print **ISSN: 1441-5534**

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Hazardous Chemicals

• ECHA: SVHC Chemicals in EU Products

14 Sept 2021: Data from the EU's first public database of Substances of Very High Concern in products, SCIP Database, aims to allow EU consumers to make more informed purchasing choices and help waste operators to further develop the re-use of articles and the recycling of materials.

Around 6000 European Union companies have successfully complied with their new duty to notify ECHA about products containing SVHC chemicals with 4 million article notifications.

The most common SVHCs in notifications are: Lead (e.g. in ball bearings, batteries); Lead Monoxide (e.g. in lamps, vehicle parts); Lead Titanium Trioxide (e.g. in electric cookers); Silicic Acid, Lead Salt (e.g. in lead crystalware, vehicle coatings); and Dodecachloropentacyclo Octadecadiene (e.g. in paints, glues)

From: https://echa.europa.eu/-/know-more-about-hazardous-chemicals-in-products-scip-data-published

• ECHA: Chemicals Adopted by the RAC in Sept 21

22 Sept 2021: The ECHA Committee for Risk Assessment (RAC) adopted 19 opinions on harmonised classification and labelling, including the substances Resorcinol, Lithium Salts and Tetrabromobisphenol A (TBBPA), and the environmental properties of Lead.

Plant Protection Products: Clothianidin (ISO); Cymoxanil (ISO); Diuron (ISO); Picolinafen (ISO).

Industrial Chemicals:
1-Pphenylethan-1-one (1-Phenylethylidene) Hydrazone); Basic Red 1; Benzyl Alcohol; Dibutyltin Maleate; Dibutyltin Oxide; Dimethylpropyl Phosphonate; Diphenyl (2,4,6-Trimethylbenzoyl) Phosphine Oxide; Hydrogen Sulphide; Lead (Environmental Properties); Lithium Chloride, Lithium Carbonate and Lithium Hydroxide; Resorcinol; TBBPA; NPEOs Nonylphenol Short, Medium & Long Chain Ethoxylates

From: https://echa.europa.eu/-/highlights-from-september-rac-and-seac-meetings

• ECHA Guide: Classifying & Labelling Titanium Dioxide

20 Sept 2020: The substance Titanium Dioxide (TiO2) must be classified as Carcinogen if Inhaled (Carc. 2, H351 (inhalation) when supplied on its own or in mixtures, where the substance or mixture contains 1% or more of TiO2 particles with an aerodynamic diameter ≤10 µm. In addition, mixtures containing (such) TiO2 particles must be labelled.

Guide (Sept 2021 10 page pdf)

https://echa.europa.eu/documents/10162/17240/guide_cnl_titanium_dioxide_en.pdf/d00695e4-e341-0a33-b0ac-bee35cb13867?t=1630666801979

From: https://echa.europa.eu/-/new-guide-available-on-classifying-and-labelling-titanium-dioxide

• EPA USA: Octamethylcyclotetra-Siloxane D4 Risk Eval'n

8 Sept 2021: On 19 March 2020, EPA USA received a request to conduct a risk evaluation for Octamethylcyclosiloxane (D4) (CASRN 556-67-2) (Docket ID: EPA-HQ-OPPT-2018-0443).

Draft Scope of the Risk Evaluation for D4 (122 page pdf)
www.epa.gov/system/files/documents/2021-09/casrn_556-67-2-octamethylcyclotetra-siloxane-d4_draftscope_0.pdf

The EPA USA accepted comments in docket EPA-HQ-OPPT-2018-0443 for 45 days following publication of the USA Federal Register Notice announcing the availability of the draft scope before finalizing the scope of the Risk Evaluation for D4.

It includes: 2.6.1 Conceptual Model for Industrial & Commercial Activities & Uses; 2.6.2 Conceptual Model for Consumer Activities & Uses; 2.6.3 Conceptual Model for Environmental Releases and Wastes: Potential Exposures & Hazards

From: www.epa.gov/assessing-and-managing-chemicals-under-tsca/supporting-documents-manufacturer-requested-risk

• ECHA: PFAS Restriction Intention Proposed

19 July 2021: Germany; Denmark; Netherlands; Norway; & Sweden have called for a Restriction on manufacture, placing on the market and use of PFAS.

PFAS in the Scope of this Restriction Intention have the following structural formula:

X-(-CF2-)n-X' with n equal to or larger than 1 and X, X' not being H (thus including X-CF3), meaning Fluorinated substances that contain at least one Aliphatic Carbon Atom that is both, saturated and fully Fluorinated, i.e. any chemical with at least one perfluorinated methyl group (-CF3) or at least one Perfluorinated Methylene Group (-CF2-), –), including branched Fluoroalkyl Groups and substances containing Ether Linkages, Fluoropolymers and Side Chain Fluorinated Polymers.

Reason: All PFAS are, or ultimately transform into, Persistent Substances, leading to irreversible environmental exposure and accumulation. Due to their water solubility and mobility, contamination of surface, ground-, and drinking water and soil has occurred in the EU as well as globally and will continue.

It has been proven very difficult and extremely costly to remove PFAS when released to the environment. In addition, some PFAS have been documented as toxic and/or bioaccumulative substances, both with respect to human health as well as the environment.

Without taking action, their concentrations will continue to increase, and their toxic and polluting effects will be difficult to reverse. Comment closed 17 Oct 2021.

From: https://echa.europa.eu/registry-of-restriction-intentions/-/dislist/details/0b0236e18663449b

• WorkSafe Qld: Truck Driver exposed to Phosphine gas

23 August 2021: July 2021 - A truck driver began feeling very unwell after transporting grain to a feedlot with his semi-trailer.

Fumigants, like Aluminium Phosphide, are used in the agriculture industry to kill pests such as grain weevils. Aluminium phosphide is a solid fumigant that reacts with moisture in the air to release the highly toxic Phosphine gas.

From: www.worksafe.qld.gov.au/news-and-events/alerts/incident-alerts/2021/truck-driver-exposed-to-phosphine-gas

Chemical Management

• ECHA: Safer Chemicals Conference Information

7 Oct 2021: On the 6th October 2021 the **ECHA Safer Chemicals Conference** had a record number of more than 2000 participants joining the online event. The Presentations and Recordings are available on the ECHA website.

https://echa.europa.eu/-/safer-chemicals-conference

From: https://echa.europa.eu/-/check-the-safer-chemicals-conference-material

• ECHA: Reduced Animal Allergy Testing Guideline

13 Oct 2021: New OECD Guideline reduces animal testing and protects from allergies caused by chemicals.

The OECD Guideline informs REACH registrants on how to reliably combine different sources of non-animal data on skin sensitisation properties of their substances. It will help companies to reduce animal testing while ensuring that people are protected from allergies caused by chemicals.

ECHA has now published advice on how to use the Guideline and advance the use of non-animal test methods. This is the first guideline outlining how to use in silico tools (using computer simulation) such as the QSAR Toolbox to assess skin sensitisation.

The Guideline contains defined approaches for assessing whether a substance is a skin sensitiser, and categorising whether the sensitisation is strong or moderate. This categorisation is especially important, as REACH requires skin sensitisation potency to be assessed. If the defined approach results in a conclusion on skin sensitisation and potency, it can replace the currently used in vivo method Local Lymph Node Assay, reducing testing on animals.

OECD 497: Guideline on Defined Approaches for Skin Sensitisation (adopted 2021) for OECD website download.

From: https://echa.europa.eu/-/new-guideline-reduces-animal-testing-and-protects-from-allergies-caused-by-chemicals

• OECD Video: Skin Sensitisation Defined Approaches

18 Oct 2021 Video on the Implementation of the Defined Approaches on Skin Sensitisation.

As scientific methods and tools progress, the use of animals to test a product designed for humans are becoming obsolete, in addition to being unethical. With new methods being developed, it is possible to perform these tests on human and animal cell cultures with equally rigorous and robust results.

Video recordings of OECD Testing and Assessment Methodologies webinars are made available online afterwards.

From: www.oecd.org/chemicalsafety/testing/webinars-on-testing-and-assessment-methodologies.htm

• AU HCIS still Missing Exposure Standards Notes

16 Oct 2021: The Safe Work Australia Hazardous Chemical Information System (HCIS) **Search Exposure Standards database** is STILL missing the **Skin** (absorption) & Skin **Sens**itization Notes for most of the entries requiring them. A few entries (5+2) have been fixed since August. Fortunately Carcinogen and Asphyxiant Notes are still listed for chemicals requiring them.

www.safeworkaustralia.gov.au/chemicals and

http://hcis.safeworkaustralia.gov.au/ExposureStandards

To fix these errors & have the legally required information for an Exposure Standard under jurisdictional laws in SDSs, until these Notes are added, we all need to download the "Workplace Exposure Standards for Airborne Contaminants" complete pdf/docx from:

www.safeworkaustralia.gov.au/doc/workplace-exposure-standards-airborne-contaminants

IF these missing Notes can't be fixed quickly, then it is important that there is an Alert on each HCIS webpage where the Exposure Standard database can be checked, to alert that:

"The HCIS Exposure Standards web database is missing Notes regarding Skin Absorption and Skin Sensitisation.

See: www.safeworkaustralia.gov.au/doc/workplace-exposure-standards-airborne-contaminants to Download the complete Document (19 Dec 2019, 42 pages pdf | docx)".

• Safe Work Australia News: 23 Aug-15 Oct 2021

All of the News Items below lead to the Safe Work Aust Clean Air. Clear Lungs campaign website which has Case Studies, Information Sheets & Checklists for each scenario.

23 Aug 2021: Manage the Risk of Hazardous Air in Construction. Construction workers are at risk of breathing in hazardous air, which can contain dusts, gases, fumes or vapours.

From: www.safeworkaustralia.gov.au/media-centre/news/work-construction-manage-risk-hazardous-air

30 Aug 2021: Eliminate or Manage Hazardous Air in Manufacturing. The air at work can contain hazardous dusts, gases, fumes or vapours resulting from manufacturing processes or materials.

From: www.safeworkaustralia.gov.au/media-centre/news/eliminate-or-manage-hazardous-air-manufacturing

6 Sept 2021: Agricultural Workers at Risk of Lung Disease. Farm work air can contain dusts, gases, fumes or vapours.

From: www.safeworkaustralia.gov.au/media-centre/news/agricultural-workers-risk-lung-disease

13 Sept 2021: Persons Working with Engineered Stone, are at Risk of Exposure to harmful Silica Dust released into the air

From: www.safeworkaustralia.gov.au/media-centre/news/do-you-work-engineered-stone

From: www.safeworkaustralia.gov.au/media-centre/all

• WorkSafe Vic: New Clinic for Silicosis Testing

16 Sept 2021: WorkSafe Vic has partnered with The Alfred (Hospital) to establish The Alfred Occupational Respiratory Clinic, where eligible workers from the Stonemason Industry can undergo a comprehensive health assessment and receive a diagnosis on the same day. This is Australia's only dedicated public hospital Occupational Respiratory Clinic.

To confirm eligibility and book an Appointment at the Alfred Occupational Respiratory Clinic, call WorkSafe Vic's Silica Advisors on 1800 136 089 (option 1 then option 3) for a referral.

From: www.worksafe.vic.gov.au/news/2021-09/be-silica-smart-and-get-tested-new-clinic

• WA DMIRS: ThinkSafe Magazine Sept 2021

P8 Progress on WA'S New Work Health and Safety Laws

On 11 March 2021, the State Government announced that it would enact three sets of WHS regulations, covering mines, petroleum, geothermal energy and general workplaces by January 2022.

The new laws will harmonise WA with other States and Territories (except Victoria), enabling businesses to comply with similar requirements in each State and Territory. However, some provisions have been tailored to suit WA workplaces.

Instructions have also been prepared to detail transitional arrangements, which will phase in some requirements over the next few years, providing industry with more time to comply.

P22-23: WorkSafe WA Silica Compliance Project: WorkSafe WA undertook a compliance project between 2018 and 2021. While the project focused on engineered stone benchtop fabrication and installation work, it also included occupational

hygiene monitoring during wall chasing activities in the construction industry and sample preparation processes in assay laboratories.

https://issuu.com/dmirs_wa/docs/211108_nl_thinksafe_sep21

From:
www.commerce.wa.gov.au/publications/thinksafe-magazine

• UK COSHH Essentials: Direct Advice Sheets

UK Control of Substances Hazardous to Health (COSHH): First check the Direct Advice Sheets listed by industry to see if there are any direct advice sheets for tasks or processes in your industry. If your industry is not listed don't worry, you can use our COSHH e-tool.

From: www.hse.gov.uk/coshh/essentials/direct-advice/

• EPA USA: Screening Chemicals - Thyroid Effects

1 June 2021: Using New Approaches to Screen Chemicals for Potential Thyroid Effects (webpage).

One part of this research is developing high-throughput assays that use automated equipment to quickly evaluate chemicals for their potential to disrupt normal Thyroid Function.

From: www.epa.gov/sciencematters

And: www.epa.gov/sciencematters/using-new-approaches-screen-chemicals-potential-thyroid-effects

• Environment NZ: Improving Chemical Assessment

18 August 2021: The NZ Hazardous Substances and New Organisms (Hazardous Substances Assessments) Amendment Bill has been introduced to the NZ Parliament.

The purpose of this Bill is to amend the NZ Hazardous Substances and New Organisms Act 1996 (HSNO Act) to improve the assessment and reassessment of Hazardous Substances. Such substances include chemicals used in industry and agriculture.

The proposed changes will speed up Approval and Re-Assessment processes including enabling the EPA NZ to make better use of information from international regulators.

From: https://environment.govt.nz/news/improving-chemical-assessment-for-a-healthier-safer-environment/

• EPA NZ: Hazardous Substances Update #212

12 Aug 2021: NZ HSNO (Hazardous Substances Assessments) Amendment Bill. Read the Bill. The Bill would amend the NZ Hazardous Substances and New Organisms Act 1996 to improve the Assessment and Reassessment processes for Hazardous Substances.

The Amendments would allow the EPA NZ to make better use of data, assessments, and information from international regulators. The bill also aims to increase the efficiency and transparency of the reassessment process by:

1/ Allowing the EPA to engage in targeted consultation about a hazardous substance; 2/ Requiring the EPA to develop a publicly available work plan for any reassessment process.

Comment closed: 3 Oct 2021.

18 Aug 2021: EPA NZ bans Ship Hold fumigation as part of Methyl Bromide Rules reset. Ship Hold fumigation will be banned from 1 January 2023. This rule change is significant as the amount of methyl bromide used is much higher than elsewhere, and it is not currently possible to recapture Methyl Bromide during Ship Hold fumigation. Therefore, in this setting, the risks to human health and the environment outweigh the benefits. Stepped increases will apply to the recapture of Methyl Bromide from Containers and covered Log Stacks, starting from 1 Jan 2022. There will be larger buffer zones to prevent people from being in the vicinity while the gas is being used.

23 & 31 Aug 2021: EDN (EthaneDiNitrile): Updated staff report and science memorandum for an Application to introduce EDN, which is a potential alternative for the pre-shipment fumigation of Export Logs. Application for Approval to import EDN for Release: Updated EPA Staff Report 2021 (Aug 2021 51p pdf)

27 Aug 2021: The first step to Reassessing the Fungicide Chlorothalonil and substances containing it, has been decided.

Chlorothalonil is used to control diseases on fruit, vegetables, wheat, turf, and also includes timber treatment.

See separate Note under the Ag Chemicals Section page **xx**.

From: www.epa.govt.nz/news-and-alerts/newsletters/hazardous-substances-update/ Select Issue

• EPA NZ: Hazardous Substances Update #213

9 Sept 2021: The EPA NZ are calling for submissions on an application to allow three Organophosphate chemicals, which had time-limited approvals, to be used in New Zealand for longer. Diazinon, Fenamiphos, and Methamidophos are used as insecticides in agriculture and biosecurity.

See separate Note under the Ag Chemicals Section page xx.

21 Sept 2021: Sinking Lid on Hydrofluorocarbons. The EPA NZ has released its third annual decision on special permits to import Hydrofluorocarbons (HFCs).

30 Sept 2021: Public Consultation is open on an Application to **Reassessing the Use of Hydrogen Cyanamide**, an active ingredient in sprays commonly used by kiwifruit growers.

See separate Note under the Ag Chemicals Section page **xx**.

From: www.epa.govt.nz/news-and-alerts/newsletters/hazardous-substances-update/ Select Issue

• Work Safe NZ: WES & BEI proposed changes 2021

9 Sept 2021: NZ Workplace Exposure Standards (WES) and NZ Biological Exposure Indices (BEI) proposed changes for 30 Substances.

Currently (in NZ) there are no WES prescribed in Regulation and no Safe Work NZ Instrument for WES/BEI. The WES and BEI values discussed in this consultation and all other WES in the WorkSafe WES/BEI book are Guideline Values to be applied for Health Risk Assessment.

1,1-Dichloroethane (36p pdf); 2-Ethoxyethanol (42p pdf);
2-Ethoxyethyl Acetate (44p pdf); Caprolactam (46p pdf);
Carbon Monoxide (40p pdf); Cyanamide (40p pdf);
Dibutyl Phthalate (46 p pdf); Diesel Fuel (38p pdf);
Diethylamine (38p pdf); Diethylene Glycol (44p pdf);
Dimethylamine (38p pdf); Dimethylformamide (44p pdf);
3,5-Dinitro-o-Toluamide (30p pdf); Ethylbenzene (44p pdf);
Hydrogen Cyanide (12p pdf); Iodine (Elemental) (42p pdf);
Isocyanates (58p pdf); Mercury (Elemental) (48p pdf);
Methyl Acrylate (40p pdf); Methyl Bromide (48p pdf);
Methyl Chloroform (38p pdf); Methylamine (38p pdf);
Nitrobenzene (44p pdf); o-Dichlorobenzene (38p pdf);
Picric Acid (36p pdf); Tetrahydrofuran (40p pdf);
Toluene (42p pdf); Turpentine (44p pdf);
Welding Fumes (10p pdf); Lead & Cpds: BEI (16p pdf).

Consultation Form webpage to enter your Contact details.

Submissions Close Friday 4 Feb 2021

From:
www.worksafe.govt.nz/laws-and-regulations/consultations/wes-and-bei-proposed-changes-2021/

Editor: Significant WES Reductions of 10 times or more are proposed for: Cyanamide(/10); Dibutyl Phthalate (/200); Iodine (/10); Isocyanates (/200).

Extra WES proposed: Diesel Fuel; Hydrogen Cyanide (TWA)

• UNEP: Rebuilding the Ozone Layer (Story to Read)

15 Sept 2021: Rebuilding the ozone layer: how the world came together for the ultimate repair job. (Story on Climate Action)

In the mid-1970s, scientists warned that man-made chemicals in everyday products like aerosols, foams, refrigerators and air-conditioners were harming the ozone layer. At that time, they didn't know the scale of the problem. But in 1985, a hole was confirmed in the ozone layer over Antarctica. The world's natural sun shield, which protects humans, plants, animals and ecosystems from excessive ultraviolet radiation, had been breached.

Suddenly, a future blighted by skin cancers, cataracts, dying plants and crops and damaged ecosystems loomed. There was no time to lose. Scientists had raised the alarm and the world listened.

In 1985, governments adopted the Vienna Convention for the Protection of the Ozone Layer, which provided the framework for the Montreal Protocol to phase out ozone-depleting substances, including chlorofluorocarbons (CFCs). The Protocol came into effect in 1989 and by 2008, it was the first and only UN environmental agreement to be ratified by every country in the world.

The Antarctic ozone hole is expected to close by the 2060s, while other regions will return to pre-1980s values even earlier.

From: www.unep.org/news-and-stories/story/rebuilding-ozone-layer-how-world-came-together-ultimate-repair-job

• GHS: 9th Revised Edition (pdf now available)

14 Sept 2021: Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 9, 2021) (556 pages)

Amendments to the eighth Revised Edition of the GHS include :

1/ the revision of Chapter 2.1 (Explosives) to better address their explosion hazard when they are not in their transport configuration;

2/ the revision of Decision Logics

3/ the revision of the Classification and Labelling summary tables in Annex 1;

4/ the revision and further rationalization of Precautionary Statements and

5/ the updating of References to OECD Test Guidelines for the testing of chemicals in Annexes 9 and 10.

https://unece.org/sites/default/files/2021-09/GHS_Rev9E_0.pdf

From: https://unece.org/transport/standards/transport/dangerous-goods/ghs-rev9-2021

• CSB: Investigations & Incidents Aug 21- Oct 21

From: www.csb.gov/
And: www.csb.gov/investigations/current-investigations/
And: www.csb.gov/investigations/completed-investigations/

7 Oct 2021: Congressional Support for Chemical Safety Board. In the 29 Sept 2021 Hearing, Full Committee Chairman, Frank Pallone (NJ), set the tone and said, "In my view, getting the CSB back to functioning at the highest level is the first step. The goal of today's hearing is to help get CSB back on track, and I hope that we can all come together to revitalize this critical agency."

Subcommittee Chair Diana DeGette (CO) also noted "…this is the role the CSB plays when it comes to industrial incidents. The CSB improves the safety of American workers, communities, and the environment by investigating the root causes of these tragic events and making recommendations to prevent them in the future."

The backlog of investigations was not created overnight, and it will not be fully addressed overnight. Some of these investigations have sat dormant for over five years through multiple administrations. This is unacceptable. Our outstanding mission team is working hard to bring these investigations to completion through improved process and enhanced staffing to improve the safety of the nation's workforce, our communities, and the environment.

24 Sept 2021: Completed Investigation - AB Specialty Silicones, LLC. On Friday 3 May 2019, a massive explosion and fire occurred at the AB Specialty Silicones facility in Waukegan, IL, killing four workers and causing extensive damage to nearby businesses.

FINAL REPORT: Chemical Reaction, Hydrogen Release, Explosion, and Fire at AB Specialty Silicones (74 page pdf)

From: www.csb.gov/ab-specialty-silicones-llc/

24 Sept 2021: Completed Investigation - Evergreen Packaging Paper Mill - Fire during Hot Work. On Monday 21 Sept 2020, a fire occurred at the Evergreen Packaging Mill, in Canton, NC. During a scheduled maintenance event, a fire occurred during a repair to a Process Pulp Bleaching Unit. Two contractors were fatally injured as a result of the incident.

FINAL REPORT: Evergreen Packaging Paper Mill (54p pdf)

From: www.csb.gov/file.aspx?DocumentId=6161

• USA OSHA Quick Takes e-News: Oct 2021

1 Oct 2021: 1/ Airborne Lead Safety Violations: A battery recycling facility & smelter was cited for willfully exposing workers to unsafe levels of airborne Lead. **2/ Chemical Safety Violations:** A poultry processing plant faces penalties for exposing workers to Ammonia hazards less than two months after a Liquid Nitrogen leak killed six workers.

From: www.osha.gov/quicktakes/ (chemical issues only)

AICIS (Industrial/Cosmetic Chemicals)

• AICIS: Regulatory Notices 19 Aug – 18 Oct

19 Aug 2021: New Chemical Public Report STD/1676 (61 p pdf) Benzene, 1,1'-(1,2-Ethanediyl)bis[2,3,4,5,6-Pentabromo-.

Flame retardant in articles, films and coatings used in electrical, electronic, building, and automotive applications

From: www.industrialchemicals.gov.au/news-and-notices/new-chemical-public-report-19-august-2021

27 Aug 2021: Call for information: Mercury Imports or Exports after June 2020. There will be changes to the Regulation of Mercury importation and exportation in Australia in late 2021. Information was required by 30 Sept 2021.

Definition of Mercury under the Minimata Convention on Mercury: Elemental Mercury (Hg(0), CAS No 7439-97-6) &/or mixtures of (elemental) Mercury (including alloys of Mercury) with a Mercury concentration of at least 95% by weight.

From: www.industrialchemicals.gov.au/news-and-notices/call-information-mercury-imports-or-exports-after-june-2020

27 Aug 2021: Upcoming changes to the AU Regulation of Mercury. Australia signed the Minamata Convention on Mercury on 10 Oct 2013 & is in the process of taking steps domestically to Ratify the Convention.

From: www.industrialchemicals.gov.au/news-and-notices/coming-soon-news-laws-importing-or-exporting-mercury

17 Sept 2021: AICIS have published 16 Final Evaluation Risk Statements about the human health and environmental risks associated with the use of certain chemicals on the AIIC in Sept 2021.

e.g. Alkyl Pyridinium Surfactants; Ammonium Carbamate; Cesium Salts; Maleic Acid Esters (short chain); Nonanedioic Acid; 4-tert-Pentylphenol

From: www.industrialchemicals.gov.au/news-and-notices/evaluations-notice-17-september-2021

AICIS Regulatory Notices: www.industrialchemicals.gov.au/news-and-notices/regulatory-notices

• AICIS: Inventory Notices 17 Aug to 18 Oct 2021

17 Aug 2021: Chemicals added to the Inventory 5 years after issue of Assessment.

CAS No.s: 2653976-99-7; 2653977-04-7; 70248-14-5; 1447806-11-2; 1562268-85-2; 890833-85-9; 127970-91-6; 2665688-06-0; 2665688-17-3; 2665688-17-3.

27 Aug 2021: Correction of chemical names. Inventory notice: AICIS have updated (14th & 15th Aug 2021) the names of some chemicals (Editor: 101 updates, e.g. Oils, Anise now Anise Oil; Oils, Sage now Sage Oils; Shellac, Styrene Polymer now Shellac, Polymer with Styrene; Sulfite liquor, spent, polymer with Formaldehyde now Pulping liquors, spent, polymer with Formaldehyde; Oils, Marine now Marine Oil; Fish Oil, Polymer with Pentaerythritol and Phthalic Anhydride now Fats and Glyceridic oils, Fish, Polymers with Pentaerythritol and Phthalic Anhydride.

3 Sept 2021: Chemicals added to the Inventory 5 years after issue of Assessment. CAS No.s: 2665688-13-9; 71077-09-3; 1630741-63-7; 86404-04-8; 2675404-65-4; 112783-16-1

10 Sept 2021: Chemicals added to the Inventory following issue of Assessment Certificate (Early Listing). CAS No.: 55722-64-0: For reformulation of end use cosmetics and household products; component in formulated end use cosmetic and household products.

15 Sept 2021: Variation of Inventory listing following Revocation of CBI Approval. CAS: 857084-97-0 *Editor:* an Organo Zirconium Compound; 1174552-70-5; 949495-39-0; 1174552-78-3 *Editor:* All Aluminoxanes Compounds.

27 Sept 2021: Chemicals added to the Inventory following issue of Assessment Certificate (Early Listing). CAS No.: 1449104-34-0, 4-Pentenal, 5-cyclohexyl-2,4-dimethyl-, (4E)-: For reformulation of end use cosmetic and household products; component in end use cosmetic and household products.

30 Sept 2021: Chemicals added to the Inventory 5 years after issue of Assessment. CAS No.s: 1881218-54-7; 362679-94-5; 53770-52-8; 820211-94-7; 1581734-45-3; 876528-25-5.

8 Oct 2021: CAS No. Change for Linden, *Tiliatomentosa, ext.* from CAS 90063-54-0 (now deleted) to CAS: 94167-04-1.

8 Oct 2021: Chemical Name & CAS No. Changes. (2 off)

Old:	Sabal Serrulatum, Extract	Old CAS:	84604-15-9
Now:	Serenoa Repens, Ext.	*CAS:*	90106-85-7
Old:	Oils, Callitris Intratropica	Old CAS:	187348-13-6
Now:	Oils, Callitris Columellaris	*CAS:*	192526-11-7

13 Oct 2021: Variation of Inventory listing following Revocation of CBI Approval. CAS No.s: 2699971-43-0; 1174552-70-5.

From: www.industrialchemicals.gov.au/news-and-notices/inventory-notices

• AICIS: News and Updates 23 Aug to 18 Oct 2021

23 Aug 2021: Proposed Amendments to the General Rules

AICIS Summary: 1/ Clarifying criteria for industrial chemicals introduced at the nanoscale; **2/** Declarations about data ownership; **3/** Annual declarations; **4/** Clarifying record-keeping for listed introductions, specified classes, designated releases to the environment, internationally-assessed;
5/ The authorisation process for movement of industrial chemicals into or out of Australia that are subject to the Rotterdam Convention; 6/ Transitional provisions.

Details: www.industrialchemicals.gov.au/consultations/consultation-proposed-amendments-general-rules

Consultation on the Amendments paper (88 page pdf)

Exposure Draft of the Proposed Legislation (25 page pdf)

Consultation closed on 17 Sept 2021

From: www.industrialchemicals.gov.au/news-and-notices/consultation-proposed-amendments-general-rules

Editor's Comment: Declarations about Data Ownership may raise significant problems, as this may be difficult to obtain (where there are now missing links), or at what point is it decided that publically available data is not allowed to be used.

The Record Keeping obligations under AICIS are significant (particularly for data that was originally obtained under NICNAS as a declaration to be on the AICS, and **now** needs to have a contact able to provide it within 20 workings days when asked).

23 Aug 2021: The Rules on using New Animal Test Data

An AICIS Information Sheet (1 page pdf) that explains the key points about using new animal test data – including when the restrictions do and don't apply.

e.g. You cannot use new animal test data to categorise chemicals with multiple end uses (including cosmetics) or to support an application (for example, an assessment certificate).

e.g. AICIS encourage you to use non-animal test data to categorise chemicals not used in cosmetics or to support an application (for example, an assessment certificate).

From: www.industrialchemicals.gov.au/news-and-notices/what-are-rules-using-new-animal-test-data

9 Sept 2021: Are you introducing chemicals under NICNAS Exemptions? There's less than a year to go before the AICIS Transitional Arrangements end on the 31 Aug 2022. You can keep introducing chemicals under the following NICNAS exemptions until 31 August 2022:

- Research and Development – less than 100 kg
- Cosmetic Use (no unreasonable risk) – less than 100 kg
- Non-Cosmetic Use (no unreasonable risk) – less than 100 kg
- Cosmetic Use (Non-Hazardous) – *less than 1%*

After then, you'll need to categorise your Introductions (Editor: BEFORE you can continue to import them).

More Information:
www.industrialchemicals.gov.au/transition-from-nicnas-to-aicis

From: www.industrialchemicals.gov.au/news-and-notices/are-you-introducing-chemicals-under-nicnas-exemptions

17 Sept 2021: AICIS Roadmap for Evaluating Industrial Chemicals. This outlines the AICIS strategic approach for evaluating the human health and environmental risks of introducing and using industrial chemicals in Australia.

Evaluations Roadmap Webpage:
www.industrialchemicals.gov.au/consumers-and-community/our-evaluations/evaluations-roadmap

Editor: Some points that caught my interest:

The main goal of AICIS is to ensure that the introduction of chemicals to Australia is supported by contemporary information and recommendations about managing potential risks associated with their use.

By the end of 2024, AICIS aim to evaluate at least 20% of chemicals on the Inventory for which a current risk assessment is not available. AICIS will focus on evaluating chemicals identified to be of concern. AICIS will also continue to apply Evaluation Selection Analysis (ESA) (webpage) to other chemicals that have not been recently evaluated or assessed. (The ESA is a three step process to help AICIS to identify candidates for Evaluation, with the Steps detailed on the page.)

17 Sept 2021: Current and Recently completed AICIS Evaluations - Rolling Action Plan.

For each entry, the Rolling Action Plan includes the:

1/ Subject of the Evaluation – typically the chemical name or chemical group name; **2/** Reason for the Evaluation;
3/ Time it Takes to do the evaluation; **4/** Focus of the Evaluation – chemical identity, & human health or environment (or both);
5/ Current Status of the evaluation – for example, in progress, public consultation, completed; **6/** Amendments to the AICIS List of evaluation candidates.

Evaluations as at 3 Oct 2021: 16 Completed; 62 In Progress

Also available as a Spreadsheet (with 334 entries at 3 Oct 21):
Chemicals currently identified on the RAP [XLSX 30 KB].xlsx

Rolling Action Plan: www.industrialchemicals.gov.au/consumers-and-community/our-evaluations/rolling-action-plan-our-chemical-evaluations-list (webpage)

From: www.industrialchemicals.gov.au/news-and-notices/current-and-recently-completed-evaluations-rolling-action-plan

From: www.industrialchemicals.gov.au/news-and-notices/our-roadmap-evaluating-industrial-chemicals

Scheduled Poisons & TGA Issues

• Poisons Standard Oct 2021 (SUSMP No.34)

SUSMP No. 34 (Poisons Standard Oct 2021)

The 749 page compilation 1 Oct 2021 at:
www.legislation.gov.au/Details/F2021L01345/Download

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.

www.legislation.gov.au/Details/F2021L01345/a4ba39f6-504b-4b74-b0ef-fa87c7105d85 (749 page pdf)

Changes are detailed in the Explanatory Statement (html) (& 3 page pdf) supporting Poisons Standard October 2021 at:
www.legislation.gov.au/Details/F2021L01345/Download

From:www.tga.gov.au/publication/poisons-standard-susmp

• Poisons Std Oct 2021 - Explanatory Statement

The Poisons Standard Oct 2021 repeals and replaces the Poisons Standard June 2021, principally to incorporate a number of changes to existing entries, and to include a number of specified substances in the Poisons Standard for the first time.

Final decisions were published on the TGA website in relation to: 1/ Picramic Acid (including its Salts), on 24 Aug 2020; and 2/ Nicotine, on 21 Dec 2020; and 3/ Lead (in Paint), Cyflumetofen, Isocycloseram, Kambo, Lidocaine and Hemp Seed Oil, on 9 Sept 2021.

Further, minor amendments have been incorporated in the *Poisons Standard October 2021* in relation to Bilastine, Riociguat and Risankizumab.

New substances incorporated into the Poisons Standard for the first time include specific entries for: Amifampridine, Belumosudil, Estetrol Monohydrate, Finerenone, Fostemsavir, Inclisiran, Pegcetacoplan, Pegvaliase, Sacituzumab Govitecan, Sotrovimab, Trastuzumab Deruxtecan, Vericiguat and Zanubrutinib in Schedule 4.

From the Explanatory Statement (html) at:
www.legislation.gov.au/Details/F2021L01345/Download

• TGA: Prescription Nicotine Vaping Products

1 Oct 2021: Consumers now require a Prescription for all purchases of Nicotine vaping products, such as Nicotine e-cigarettes, Nicotine pods and liquid Nicotine.

This includes purchases from Australian pharmacies and from overseas. It remains illegal for other Australian retailers, such as tobacconists, 'vape' shops and convenience stores, to sell you Nicotine vaping products, even if you have a prescription.

Nicotine vaping products can only be legally used by the person named on the prescription.

From: www.tga.gov.au/nicotine-vaping-products

From: www.tga.gov.au/nicotine-vaping-products-information-consumers

• Scheduling Invitations

Editor: I only cover chemicals (and not medicines).

7 Oct 2021: Proposed amdmts referred for Scheduling Advice ACCS, ACMS & ACCS/ACMS meetings, Nov 2021 (pdf / docx)

To ACCS #32 2.1 Chromates and Chromium Trioxide

Add: except in treatment layers of coated metal articles where the proportion of chromates is ≤ 0.1%w/w of the article.

Editor: Surface concentrations of Chromates can be high, as these surface concentrations are what a person is exposed to, which are not diluted by the thickness of the article!

To the Joint ACMS-ACCS #29:
3.1 Cis-Jasmone (New S5 & S6 entries for Ag use)
It purportedly acts as a repellent to various types of insects through its activity as a biological pesticide. It is found naturally in a range of edible plants (such as the Jasmine plant).

3.4 Choline Salicylate. A new Schedule 3 entry is proposed for Choline Salicylate (CAS 2016-36-6) for human therapeutic or cosmetic use. It is currently captured in the Poisons Standard as a Derivative of Salicylic Acid in preparations for dermal use.

From: www.tga.gov.au/scheduling-advisory-committees-invitations-public-comment

• Scheduling Delegate's Final Decisions

Editor: I only cover chemicals (and not medicines).

9 Sept 2021: Final Decisions on proposed amendments referred to the Advisory Committee on Chemicals Scheduling (ACCS #30, March 2021). (23 page pdf | docx)

4.1 Final Decision in relation to Lead (in paint): An amendment to the Schedule 10 entry for Lead compounds to reduce the permissible level in paints from 0.1% to 0.009%.

4.2 Final Decision in relation to Cyflumetofen (New S5 & S6 entries for this pesticide).

4.3 Final Decision in relation to Isocycloseram (New S6 entry for this insecticide).

4.4 Final Decision in relation to 1,4-Benzenediamine, 2-(methoxymethyl) **not** to amend the current Poisons Standard. It is currently captured by group entries for Phenylenediamines in Schedules 6 and 10.

From: www.tga.gov.au/scheduling-decision-final/notice-final-decisions-amend-or-not-amend-current-poisons-standard

8 Oct 2021: 2.1 Final Decision in relation to Nitrous Oxide

New Schedule 6 Entry for Nitrous Oxide

New Appendix F Part 3 Entry: for Nitrous Oxide when included in Schedule 6. 112 (WARNING - May cause irreversible nerve damage if inhaled.) 38 (Do not intentionally inhale contents.) *Editor - Appendix F covers:* Warning Statements and General Safety Directions for Poisons.

Editor: The Delegate's *Reasons for the final decision (including findings on material questions of fact)* is interesting to read.

From: www.tga.gov.au/scheduling-decision-final/notice-final-decisions-amend-or-not-amend-current-poisons-standard-relation-nitrous-oxide

• Scheduling Delegate's Interim Decisions

12 Oct 2021: 2.1 Interim Decision in relation to **Sodium Nitrite**.

Schedule 7 SODIUM NITRITE except: *This entry is retained.*

Schedule 6 Entry is Amended to: SODIUM NITRITE in preparations containing **15%** or less of Sodium Nitrite except:

The Consultation closes on 11 Nov 2021.

13 Oct 2021: Interim Decisions for **3 ACMS Chemicals**

Interim Decisions on proposed Amendments referred to ACMS #31, June 2021. (18 page pdf | docx)

3.1 Interim Decision in relation to 2-Amino-5-Methylphenol
Schedule 10 New Entry: 2-AMINO-5-METHYLPHENOL in preparations for cosmetic use.
Schedule 7 New Entry: 2-AMINO-5-METHYLPHENOL except when included in Schedule 10.

3.2 Interim Decision in relation to: 6-Methoxy-N2-Methyl-2,3-Pyridinediamine except when used in Oxidative or Non-Oxidative hair dyes at a concentration of ≤1.0% when the immediate container & primary pack are labelled: KEEP OUT OF REACH OF CHILDREN, & WARNING: This product contains ingredients that may cause skin sensitisation to certain individuals.

3.3 Interim Decision in relation to Lead Acetates
Schedule 5 – Delete Entry:
LEAD COMPOUNDS in preparations for use as hair cosmetics.

The current proposal relates to Lead Acetates that are used in progressive hair dye products at a concentration of 0.6% (extrapolated from USA FDA concentration cut-offs). Under current Scheduling, these would be captured in Schedule 5 of the Poisons Standard.

The Consultation closes on 11 Nov 2021.

13 Oct 2021: Interim Decisions for **3 ACMS-ACCS Chemicals**

Interim decisions on proposed amendments referred to the Joint ACMS-ACCS #28, June 2021. (17 page pdf | docx)

3.1 Interim decision in relation to Ethanol and Isopropanol in Hand Sanitisers, is: **Not to amend** the current Poisons Std in relation to Ethanol (Ethyl Alcohol) and Isopropanol.

3.2 Interim decision in relation to Methanol in Hand Sanitisers.

Schedule 10 New Entry: METHANOL in hand sanitisers containing >5% Methanol. (

Schedules 5 & 6 Amended Entries: METHANOL (excluding its derivatives) *except: when included in Schedule 10; or*

3.3 Interim decision in relation to Eugenol **Not to amend** the scheduling for Eugenol in the current Poisons Standard.

Eugenol is an aromatic oil extracted from cloves, and is added to a variety of cosmetic, personal care and domestic products for its fragrance properties. Eugenol can also be produced synthetically. It has a wide range of uses in Australia, including in aftershaves, hair care products and bath products. However, the substance is also a well-known skin sensitiser, to the extent that it is used in fragrance mixes used for patch testing against common allergens. It is considered one of the most frequently reported allergens in consumer products.

The Consultation closes on 11 Nov 2021.

From: www.tga.gov.au/scheduling-delegates-interim-decisions-invitations-further-comment

Editor: Schedule 10 - Substances of Such Danger to Health as to Warrant Prohibition of Sale, Supply and Use

• Poisons Std Interim: Hand Sanitiser Definition Added

13 Oct 2021: Interim Decision - Part 1 (Interpretation) of the Poisons Standard is to be amended to include a definition of 'Hand Sanitiser' based on the definition of Hand Sanitiser in the Consumer Goods (Cosmetics) Information Standard 2020, as:

"**Hand Sanitiser Preparation**" means an Antimicrobial Skin Care Product:

a/ that consists of, contains or generates one or more antimicrobial active substances; and

b/ that is represented in any way to be, or is likely to be taken to be (whether because of the way in which it is presented or for any other reason):
- for use on hands when soap and water are not available; and
- applied to the hands without rinsing off; and
- intended to destroy, deter, render harmless, prevent the action of, or otherwise exert a controlling effect on any microbes on the skin.

The Committee also recommended an implementation date of **1 February 2022**, due to public health concerns associated with this substance.

The Consultation closes on 11 Nov 2021.

From: Interim decisions on proposed amendments referred to the Joint ACMS-ACCS #28, June 2021. (17 page pdf | docx)

From: www.tga.gov.au/scheduling-decision-interim/notice-interim-decisions-proposed-amendments-poisons-standard-joint-acms-accs-28-june-2021

• Consumer Goods (Cosmetics) Information Std 2020

19 Nov 2020: This Information Standard 2020 applies to cosmetic products:

(a) manufactured in Australia and intended to be used in Australia; or (b) imported into Australia;

This 2020 Standard replaces the Trade Practices (Consumer Product Information Standards) (Cosmetics) Regulations 1991 which has been repealed.

The purpose of this Information Standard 2020 is to provide clear and consistent information about the ingredients contained in cosmetic products so that consumers can make informed choices about the products they buy. The new Information Standard 2020 carries over all of the requirements of the repealed information standard and introduces new information requirements specifically for Hand Sanitiser.

Legislative Instrument (11 page pdf | docx)

Explanatory Statement (8 page pdf | docx)

From the Explanatory Statement: The ACCC consulted on an exposure draft instrument from 22 Aug to 4 Sep 2020. A total of 20 submissions were received from industry, consumer groups, suppliers, manufacturers, government and online platforms. All stakeholders supported a requirement to display warnings.

From: https://www.legislation.gov.au/Details/F2020L01469

Editor: I came across this Federal Government Standard when preparing the Hand Sanitiser Definition Note (above).

• Qld: Medicines, Poisons & Pest Management Regs

From 27 Sept 2021: the Qld Medicines and Poisons Act 2019 (MPA) and Therapeutic Goods Act 2019 (TG Act (Qld)) and the supporting Regulations, introduce a new legislative framework for medicines, poisons, pesticides, fumigants and prohibited substances (collectively known as regulated substances) in Queensland.

A key objective of the Qld MPA is to ensure substances, including medicines, poisons, pesticides and fumigants are used safely and effectively and do not cause harm to human health. The Qld MPA adopts the national classification system for medicines and poisons as specified in the current version of the SUSMP (Poisons Standard). Medicines and poisons are scheduled in accordance with the National Scheduling Policy Framework for Medicines and Chemicals and the Therapeutic Goods Act 1989 (Cwlth).

Chemicals used for pest management activities are approved, registered or permitted for use as pesticides or fumigants by the Australian Pesticides and Veterinary Medicines Authority.

The Qld MPA is supported by three Regulations:

Medicines and Poisons (Medicines) Regulation 2021

Medicines and Poisons (Poisons and Prohibited Substances) Regulation 2021

Medicines and Poisons (Pest Management Activities) Regulation 2021

Fact Sheets and Supporting Documents (website)

From: www.health.qld.gov.au/system-governance/licences/medicines-poisons/medicines-poisons-act

Food Chemical Issues

• FSANZ Highly Concentrated Caffeine Dangers

Sept 2021: Dangers of Highly Concentrated Caffeine Products.

These products are typically marketed as sports supplements & contain much more Caffeine than that found naturally in things like coffee, tea or cocoa, which have a long history of safe use. In fact, one single teaspoon of pure Caffeine powder can contain the same amount of caffeine as 25 – 50 cups of coffee!

To protect consumers, pure and highly concentrated Caffeine food products - including pure Caffeine powders - are banned from retail sale in Australia and New Zealand.

From: Food Standards News September 2021
www.foodstandards.gov.au/media/pages/foodstandardsnews/

Aug 2021: Caffeine powders and high Caffeine content foods.

Pure and highly concentrated caffeine food products (including pure caffeine powders) are banned from retail sale in Australia and New Zealand. These products are typically bought online and can have serious health effects, including death.

Foods that contain ≥5% Caffeine in solid or semi-solid foods (like powders) and ≥1% Caffeine in liquid form are banned from sale to the public.

Foods like coffee, tea and cocoa and has a long history of safe use as a mild stimulant, and are not included as part of the ban.

Caffeine can also be added to cola-type soft drinks and formulated Caffeinated beverages (energy drinks) but there are limits on how much Caffeine can be added.

YouTube Video (Animation: 1 min 20 sec)

FSANZ Review Aug 2019: Caffeine Report (41 pages pdf)

From: www.foodstandards.gov.au/consumer/generalissues/Pages/highly-concerntrated-caffeine.aspx

• EFSA: Titanium Dioxide no longer considered safe as a Feed Additive

16 June 2021: Titanium Dioxide can no longer be considered safe when used as an additive in animal feed, EFSA has concluded. The Assessment by EFSA's Panel on Additives and Products or Substances used in Animal Feed (FEEDAP) follows the conclusion reached by EFSA's Panel on Food Additives and Flavourings (FAF) that Titanium Dioxide can no longer be considered safe when used as a Food Additive (webpage 6 May 2021 with the Scientific Opinion documents).

Titanium Dioxide is currently authorised for use as a colouring agent in animal feed. The Specification for TiO2 used as Feed Additive meets the Specific'ns of TiO2 used as Food additive.

The EFSA FEEDAP Panel could not rule out concerns related to genotoxicity, which is the ability of a substance to damage *DNA*, the genetic material of cells.

After oral ingestion, the absorption of Titanium Dioxide particles is low, but they can accumulate in the body. This, together with a lack of data, meant the panel could not conclude on the safety of TiO2 for animals, consumers and the environment. Also TiO2 is potentially carcinogenic to workers IF inhaled.

Safety and Efficacy of a Feed Additive consisting of Titanium Dioxide for all animal species (Titanium Dioxide Manufacturers Association) with access to the EFSA 20 page pdf

From: www.efsa.europa.eu/en/news/titanium-dioxide-no-longer-considered-safe-feed-additive

Agricultural Chemicals

• APVMA: Agricultural Labelling Code Review

8 Oct 2021: The APVMA is conducting a Review of the labelling requirements for Agricultural Products as set out in the Agricultural Labelling Code (ALC).

The objectives of the Review, to be conducted by the APVMA's Pesticides Team, are to ensure the ALC is:

- consistent in all matters of advice across all sections of ALC
- administered consistently across the APVMA

- provided in a clear & concise format on the APVMA website
- easy to use, navigate and find information.

The APVMA will review all general and specific labelling requirements and submit these in batches for comment.

The first Batch will begin 2022 and end in early 2024.

To provide feedback (on the proposed review process), refer to the Invitation Letter (https://apvma.gov.au/node/92436 1 page docx) & email your submission to ALCReview@apvma.gov.au by 5pm (AEST) 8 **Dec** 2021.

You are invited to submit suggestions for the improvement and useability of the ALC, including your initial suggestions and feedback on what you consider are the Key Areas requiring improvement. *Note:* No updates that require legislative changes will be made as part of the ALC review.

You are also welcome to provide feedback on content that is not addressed in any section of the Agvet Code that might reasonably be included in the ALC.

ALSO: Stakeholders are invited to submit their interest in participating in the consultation of batches as they are released. IF interested, email ALCReview@apvma.gov.au by 8 **Nov** 21.

From: https://apvma.gov.au/node/92441

• APVMA: Pesticides Regulatory Newsletter

Editor: I have only included technical matters.

20 Sept 2021: Pesticides Regulatory Newsletter, Sept 2021

Pre-Application Assistance Advice

Agricultural Labelling Code Review (also see previous Note)

Project to Amend Products Approved with Incorrect Label or Registration Particulars. For example: a change in Scheduling for either the Active or an Excipient, or new data demonstrating that current Label Directions need to be updated.

New 'Emerging Technologies' webpage. To be launched soon, as the first point of reference of the APVMA's position on Emerging Technology. E.g. Remotely Piloted Aerial Spraying.

Applications to register a new agricultural product, based on that product being closely similar to a reference product, can have additional pack sizes providing that no data are required to support the pack size.

Chlorinating Pool Products that contain the active constituent (in specified amounts) of:

1/ Calcium Hypochlorite tablet or granule product;
2/ Lithium Hypochlorite granule product;
3/ Sodium Hypochlorite liquid;
4/ Sodium Dichloroisocyanurate granule product;
5/ Trichloroisocyanuric Acid tablet product.

15 June 2021: Pesticides Regulatory Newsletter, June 2021

New Spray Drift Guidance Documents: In Oct 2020 the APVMA introduced new Spray Drift Guidance Documents as part of the APVMA's Current Spray Drift Policy, which was introduced in July 2019.

2,4-D Reconsideration Final Regulatory Decision: 2,4-D, products bearing a suspended or cancelled label cannot be supplied or used from 1 Oct 2021. The Final Regulatory Decision was published Special Gazette 3 Sept 2020.

Requirements for Information Lists when submitting an application for Agricultural and Veterinary products:

Tetrahydrofurfuryl Alcohol (THFA) interim decision to be in Schedule 6 of the Poisons Standard (SUSMP) confirmed.

From: https://apvma.gov.au/news-and-publications/newsletters

• APVMA Proposed Section 6E Active Constituent Stds

7 Sept 2021: Proposed establishment of Active Constituent Standards as a legislative instrument under Section 6E of the Agvet Code. The Proposal is to convert the Current Informal Standards established mainly for Active Constituents in Agricultural Chemical products.

The Draft Section 6E Standard (100 pages pdf | docx *) is available on the APVMA website. This notice was also published in the APVMA Gazette on 7 Sept 2021.

* The Schedule of Active Constituents runs from page 4 to p99.

Establishment of the Active Constituent Standards as a Standard under Section 6E would mean that the APVMA Standards, over which APVMA has full control, would take precedence over a potentially inappropriate and irrelevant standard from another publication.

All Standards currently listed on the website are proposed for inclusion in the new Section 6E standard, together with approximately 20 Standards for recently Approved Actives which have been consulted on via an APVMA Gazette Notice but are not yet published on the APVMA website.

Should the Standard be created as a Legislative Instrument, it would be updated regularly to include new Active Constituents and to make any changes necessary to Existing Standards, such as in conjunction with a Chemical Review.

Consultation Closed 5 Oct 2021

From: https://apvma.gov.au/node/90771

Editor: A useful compilation list of **Active Constituent ID,** with **Description, Minimum Purity, & Maximum Impurity Levels**

• APVMA Annual Report 2020–21

7 Oct 2021: Annual Report on the activities of the APVMA for the 2020 - 2021 Reporting Year. (120 page pdf)

Excerpts from the Annual Report Summary:

The APVMA responded to the outbreaks of pests and diseases by prioritising the assessment of emergency permits to support Australian producers. This included the timely approval of applications in response to the mouse plague, incursions of Fall Army Worm and Khapra Beetle and the outbreak of Grasshoppers, and for use in the eradication of Mediterranean and Queensland Fruit Fly.

The APVMA established and reinvigorated a number of Stakeholder Forums and Working Groups, including the APVMA Consultative Forum, Cost Recovery Working Group and Registration Liaison Forum, to strengthen our engagement with industry and further our engagement objectives.

The APVMA will continue to collaborate and liaise with a broad range of Stakeholders to achieve our purpose and support effective implementation of Australia's National Registration Scheme.

The APVMA will continue to actively identify and implement innovations to strengthen the Regulatory Services we provide, and be ready to contribute to the Australian Govt's response to the Independent Review of the Agvet Chemicals Framework.

From: https://apvma.gov.au/node/92371

• APVMA: Cyflumetofen - New Ag Active

5 Oct 2021: An application for the approval of a new active constituent, Cyflumetofen involving the Inhibition of Mitochondrial Electron Transport mode of action.

Common Name: Cyflumetofen; CAS Name: 2-Methoxyethyl A-Cyano-α-[4-(1,1-Dimethylethyl)Phenyl]-B-Oxo-2-(Trifluoromethyl) Benzene Propanoate; CAS No: 400882-07-7; Min'm Purity: 975 g/kg; Formula: $C_{24}H_{24}F_3NO_4$; MW: 447.45;

Chemical Family: Beta-Ketonitrile Derivatives; Mode of Action: The mode of action of Cyflumetofen involves the inhibition of Mitochondrial Electron Transport, which facilitates the rapid knockdown of spider mites and phytophagous mites.

The APVMA has completed a toxicological evaluation of Cyflumetofen. The NOAEL was established based on observed increases in Vacuolation of Adrenal Cortical Cells. An uncertainty factor of 100 is applied to account for inter-species extrapolation and intra-species variability in response. The Scheduling Delegate has made a Final Decision to include Cyflumetofen in Schedule 5 of the Poisons Standard, with an implementation date of 1 Oct 2021.

The APVMA is satisfied that the proposed importation and use of Cyflumetofen would not be an undue toxicological hazard to the safety of people exposed to it during its handling and use.

From: Ag&Vet Gazette, 5 Oct 2021 p14-15 (pdf | docx)

From: https://apvma.gov.au/node/92216

• APVMA: Isocycloseram - New Ag Active

5 Oct 2021: An application for the approval of a new active constituent, Isocycloseram, insecticide with a Novel GABA-gate Chloride Antagonist mode of action.

Common Name: Isocycloseram; CAS Name: Benzamide, 4-[5-(3,5-Dichloro-4-Fluorophenyl)-4,5-Dihydro-5-(Trifluoromethyl) -3-Isoxazolyl]-N-(2-Ethyl-3-Oxo-4-Isoxazolidinyl)-2-Methyl-;
CAS No: 2061933-85-3; Min'm Purity: 960 g/kg; Formula: $C_{23}H_{19}Cl_2F_4N_3O_4$; MW: 548.3; Chemical Family: Isoxazoline; Insecticide with a Novel GABA-gate Chloride Antagonist Mode of Action.

The APVMA has completed a toxicological evaluation of Isocycloseram. The NOAEL was based on Lymphatic & Non-Lymphatic Plasmacytosis in males and females at the next higher dose. An uncertainty factor of 100 is applied to account for inter-species extrapolation and intra-species variability in response. The Scheduling Delegate has made a Final Decision to include Isocycloseram in Schedule 6 of the Poisons Standard, with no concentration cut-off. The implementation date is 1 Oct 2021.

The APVMA is satisfied that the proposed importation and use of Isocycloseram would not be an undue toxicological hazard to the safety of people exposed to it during its handling and use.

From: Ag&Vet Gazette, 5 Oct 2021 p16-17 (pdf | docx)

From: https://apvma.gov.au/node/92216

• APVMA: Molinate Proposed Regulatory Decision

11 Oct 2021: Proposed Molinate Herbicide Reconsideration

The Proposed Regulatory Decision is to: 1/ Retain Molinate as a safe and effective herbicide for use by Australian rice growers; & 2/ Affirm Active Constituent approvals; & 3/ Vary & affirm product registrations & product labels with increased restrictions to mitigate risks to worker health and safety.

Special Gazette, 11 October 2021 (30 page pdf | docx)
at: https://apvma.gov.au/node/92496

p4-24 has Attachment B: Draft Statement of Reasons

p25-27 has Attachment C: Sample Label for this Dangerous Poison (S7) with 960 g/L Molinate.

The Closing Date for Submissions is 11 Jan 2022.

From: https://apvma.gov.au/node/92501

Editor: I have included weblinks to the Nufarm Ordram Herbicide SDS dated 11 Dec 2020 (5 page pdf) & the Sipcam Sirion Herbicide SDS dated 30 Oct 2020 (10 page pdf) which include the GHS Hazard Statements for Molinate.

• ECHA & EFSA: Glyphosate Parallel Consultations

23 Sept 2021: ECHA and the European Food Safety Authority (EFSA) have started parallel consultations on the initial scientific evaluations of Glyphosate. The consultations will run for 60 days (to 22 Nov 2021) and all comments will be published after their closure on the two Agencies' websites.

The classification of chemicals is based solely on the hazardous properties of a substance and does not take into account the use or likelihood of exposure to the substance. Exposure is considered as part of the risk assessment of pesticide active substances, a process led by EFSA.

Glyphosate currently has a harmonised classification as causing serious eye damage and as toxic to aquatic life with long-lasting effects, prior to and following the assessment by ECHA in 2017. Classification for germ cell mutagenicity, carcinogenicity or reproductive toxicity was not considered to be warranted. The initial scientific evaluation from the Assessment Group on Glyphosate (AGG) does not recommend a change to the existing classification.

ECHA consultation: Harmonised Classific'n & Labelling report

EFSA consultation: Renewal Assessment Report

From: https://echa.europa.eu/-/glyphosate-echa-and-efsa-launch-consultations and

From: www.efsa.europa.eu/en/topics/topic/glyphosate

• EPA USA: Pesticides & Aquatic Life & Eco Risk

31 Aug 2021: Aquatic Life Benchmarks and Ecological Risk Assessments for Registered Pesticides.

The aquatic life benchmarks for freshwater species and ambient water quality criteria for registered pesticides in the USA are provided in the webpage table (with 720 entries).

USA Governments use the aquatic life benchmarks in identifying and prioritizing sites and pesticides that may require further investigation.

Summary of the Aug 2021 Updates to the aquatic benchmarks. (webpage with 90 entries)

From: www.epa.gov/pesticide-science-and-assessing-pesticide-risks/aquatic-life-benchmarks-and-ecological-risk

Editor: Very useful for those who prepare Pesticide SDSs.

Neonicotinoid Pesticides Draft Biological Evaluation Frequently Asked Questions (3 page pdf)

https://www.epa.gov/system/files/documents/2021-08/faq-for-neonic-draft-be_3.pdf

• EPA NZ: Hydrogen Cyanamide Active Review

30 Sept 2021: Public consultation is now open on an application to reassess the use of Hydrogen Cyanamide, an active ingredient in sprays commonly used by kiwifruit growers.

Hydrogen Cyanamide is banned in Europe, and its re-registration is currently under review in the USA. It is primarily sprayed on bare kiwifruit orchards to help buds form after winter.

The EPA NZ is currently proposing a gradual phase-out of the use of Hydrogen Cyanamide, leading to a total ban in 5 years.

Hydrogen Cyanamide is not for domestic use; it can only be applied by trained professionals in commercial settings. For those who work with the spray, repeated exposure over time is toxic to the Reproductive System and Thyroid.

The EPA NZ are proposing that Hydrogen Cyanamide be reclassified as a Suspected Carcinogen, with an updated warning that it is Corrosive to the Skin and Eyes.

Application Report: Reassessment of Hydrogen Cyanamide APP203974 September 2021 (63 page pdf)

Further Details & to Make a Submission: www.epa.govt.nz/hc

Submissions Close 5 pm, Friday, 26 Nov 2021.

From: www.epa.govt.nz/news-and-alerts/latest-news/views-sought-on-potential-phase-out-of-kiwifruit-spray-ingredient/

Also be alerted to the Sept 2021 Work Safe NZ: **Cyanamide WES Review**. There is a WES Review Note in the Chemical Management Section of this newsletter.

https://www.worksafe.govt.nz/dmsdocument/44053-workplace-exposure-standard-wes-review-cyanamide/latest *(40 page pdf)*

Editor: In Australia this is called Cyanamide with 3 Plant/Growth Regulator products on the APVMA Pubcris. There doesn't appear to be a Review of this Ag Active in Australia.

• EPA NZ: Reassessing the Fungicide Chlorothalonil

27 Aug 2021: The first step to Reassessing the Fungicide Chlorothalonil and substances containing it, has been decided.

Chlorothalonil is used to control diseases on fruit, vegetables, wheat, turf, and also includes timber treatment. Two commercial products Applications were declined in 2018 & 2021 by the EPA NZ, plus the European Union did not renew Chlorothalonil's Approval in 2019. The Grounds for the Reassessment Decision (19 Aug 2021, 11 page pdf). E.g. The EPA NZ found in 2021 that workers using a Chlorothalonil product required a 50-day re-entry interval before they could re-enter treated areas (even with full respiratory protective equip't).

From: www.epa.govt.nz/news-and-alerts/latest-news/first-step-towards-reassessing-chlorothalonil/

• EPA NZ: Reassessing 3 Organophosphate Insecticides

9 Sept 2021: The EPA NZ are calling for submissions on an application to allow three Organophosphate chemicals, which had time-limited approvals, to be used in New Zealand for longer. **Diazinon, Fenamiphos,** and **Methamidophos** are used as insecticides in agriculture and biosecurity.

The only aspects of the Approvals to be Re-Assessed are:

1/ Hazard Classifications; **2/** Benefits, in particular in relation to the availability of alternatives; **3/** Time Limitations on the approvals; **4/** Risks associated with the use of the substances; **5/** Any Interim Controls Required to manage the substances until the expiry date of the time limited approval.

Submissions Close: Monday 8 Nov 2021.

From: www.epa.govt.nz/public-consultations/open-consultations/diazinon-fenamiphos-and-methamidophos/

• Glyphosate: Bayer loses Appeal against Court Ruling

10 Aug 2021: German pharmaceutical business Bayer has lost an Appeal against a US court ruling that its weed killer Glyphosate, the main component of Roundup, causes cancer.

A San Francisco appeals court on Monday 9 Aug 2021 upheld a 2019 ruling in favour of a couple claiming they became ill after years of using the weedkiller Roundup.

Bayer said:
"Monsanto will consider its legal options in this case".

From:
www.euronews.com/2021/08/10/german-pharmaceutical-firm-bayer-loses-appeal-against-court-ruling-its-weed-killer-causes-

Alerted by the AIDGC "What's Happening" newsletter

Dangerous Goods

• WorkSafe Vic: DG Digest Newsletter

This new WorkSafe Vic: DG Digest Newsletter is for Duty Holders who use, store, sell, transport or import Dangerous Goods (in Victoria). DG Notes is proposed to be released every three months, and aims to provide you with information and learnings from Incidents locally and abroad, changes to Victorian Legislation, Lessons from emerging industry trends, and Updates to Guidance and Support material.

Please email DangerousGoodsUnit@worksafe.vic.gov.au with your comments and ideas.

DG Digest 29 July 2021 Issue 1:

The Vic Dangerous Goods (Storage and Handling) Amendment (Notification) Regulations 2021 came into effect from 1 July 2021. Occupiers who store and handle Dangerous Goods must notify WorkSafe Vic at least every two years and provide additional information when submitting their notifications.

IF you currently notify WorkSafe Vic, you will need to submit a New Notification Online between 1 July 2021 and 1 January 2022 OR when a Certain Change Of Circumstance Occurs (whichever is first).

For more info go to: www.worksafe.vic.gov.au/dangerous-goods-storage-and-handling-notification

The new Vic Dangerous Goods (Explosives) Interim Regulations 2021 commenced on 20 June 2021. The Interim Regulations will ensure any recommendations arising from the comprehensive independent review of the Vic DG Act and associated Regulations, currently underway, can be considered for the remaking of the Vic DG Explosives Regulations.

There are no substantive changes at this time.

Incidents: Fatal 2018 Hydrogen Sulphide (H_2S) incident, SafeWork NSW release Animation detailing the death of two workers at a paper mill in Albury, NSW. YouTube Video (6min)

Safety Alert 22 April 2021: Swimming Pool Chemicals mixing causes toxic gas. The incident occurred after an electrical fault caused the automatic dosing system, used to administer chemicals to the pool water, to inadvertently mix Sodium Hypochlorite (Pool Chlorine) and Hydrochloric Acid (Pool Acid) together which resulted in toxic Chlorine gas.

Ammonium Nitrate Security and Safety Risks. Ammonium Nitrate is classed as High Consequence Dangerous Goods (HCDG) as it poses a significant risk of mass casualties and destruction, as witnessed in the devastating explosion in Beirut, Lebanon on 4 Aug 2020. Safety Basics HCDG. Security Plans for Storing Ammonium Nitrate.

Question Answer: The new Vic Dangerous Goods Online Notification Form states Written Advice must be requested from the Emergency Services Authority in developing or reviewing an Emergency Plan. FRV Applicat'n for Written Advice (5p pdf)

DG Digest 13 Oct 2021 Issue 2:

Cooling System Leak led to Victorian Big Battery Fire.
Energy Safe Victoria (ESV) has concluded that a fire at the Victorian Big Battery (VBB) site in Moorabool on 30 July 2021 most likely resulted after a cooling system leak caused a short circuit in an electrical component in a Megapack, that led to a thermal runaway and fire in an adjacent battery compartment, which consequently damaged two Megapacks. Energy Safe Victoria's full Statement of Technical Findings Report: (3 page pdf). The affected Megapacks failed safely despite total loss.

Neoen International SAS and its contractors UGL Engineering Pty Ltd and Tesla Motors Australia Pty Ltd (Tesla), who respectively own and operate the VBB site, have cooperated with ESV throughout its investigation.

Safety Alert 1 Oct 2021: WorkSafe Vic has recently been notified of three separate incidents involving the loss of containment of highly toxic and corrosive chemicals caused by the use of small bore fittings for temporary connections. The connections were made using a mixture of Imperial and Metric Sized components which were Not Compatible. One incident resulted in the partial evacuation of a MHF and the need for Emergency Services to attend. More Details (website). If it is not possible to positively identify the fitting type and tubing size, the tubing components should not be used.

Class 8 Corrosive Chemicals: Recently WorkSafe Vic have attended a number of incidents involving exposure to corrosive chemicals. Common issues were identified in these incidents.

Reminder: Submit a New Dangerous Goods Storage and Handling Notification (see Issue 1)

Safely Dispose of Your Expired Flares: Flares generally have a lifespan of 3-4 years. Three collections are planned:

Saturday 8 Jan 2022 - boat ramps at Patterson River & Altona
Saturday 22 Jan 2022 - boat ramps at Lakes Entrance

Question Answer: How do I calculate DG Manifest quantities when the DG is a Substance, or when it's an Article? The container is always treated as full unless the container is free of Dangerous Goods. E.g.400kg of solid DG in a container designed to hold 1000kg of the DG must be recorded as 1000kg in the DG Notification.

Webinar Event: Dangerous Goods Storage and Handling: New Regul'ns Explained, Thurs 28 Oct 2021 12.00-12.45pm. *See separate Note.*

Pyrotechnics Forum (Virtual Event) for Pyrotechnician Licence Holders. Those interested & wish to attend email: *DangerousGoodsUnit@worksafe.vic.gov.au*

Qld: Truck driver Exposed to Phosphine Gas (July 2021)

SA: LPG bottles 0.5-25L: Risk of inhalation Warning Label.

From: https://comms.worksafe.vic.gov.au/dg-digest-archive

***To Sign Up**, go to the following weblink and select **DG Digest**: https://comms.worksafe.vic.gov.au/link/id/zzzz5c2d405926ec7534Pzzzz4ff385a2d38d8616/page.html?prompt=1*

• Worksafe Vic: New DG (S&H) Regs Explained

Thurs 28 Oct 2021 Webinar (12.00noon to 12.45pm) Free

A free Webinar Panel discussion with WorkSafe experts (Dr Rodi Sferopoulos, Senior Dangerous Goods Advisor, Linda Lewis Senior Technical Inspector DG Strategic Inspections Team, and Conrad Tullochon, Group Leader and an Inspector for the Dangerous Goods Strategic Inspection Team) about the changes for the **Vic Dangerous Goods Storage and Handling Regulations** & what they mean to your business. Topics include: Why the Vic Regulations needed to change; how important it is to have a good Emergency Plan in place; when & how to Notify; & what are the Duty Holder Obligations.

Register at Eventbrite

From: www.worksafe.vic.gov.au/events/dangerous-goods-storage-and-handling-new-regulations-explained

• WorkSafe Vic: Major Hazard Facilities Regs 2021

31 Aug 2021: Victoria: Occupational Health and Safety **Amendment** (Major Hazard Facilities) Regulations 2021.

Statutory Rule Number 112/2021

The objective of these Amendment Regulations is to amend the Occupational Health and Safety Regulations 2017—

(a) to provide the Authority with the power to **determine that any ship, floating platform or other place is a facility**; and

(b) to include additional requirements for applications relating to major hazard facilities; and

(c) to make other minor and technical amendments.

From: https://content.legislation.vic.gov.au/sites/default/files/2021-08/21-112sra%20authorised_0.pdf (9 page pdf) (& docx)

From: www.legislation.vic.gov.au/as-made/statutory-rules/occupational-health-and-safety-amendment-major-hazard-facilities

• SafeWork SA: LPG Risk of Inhalation Warning Label

6 Sept 2021: From 17 Sept 2021, new provisions for LPG Cylinder Labelling will require all SA LPG bottles with a capacity of 500mL to 25L to have a Label Warning of Risk of Inhalation.

"Intentional misuse by deliberate concentrated inhalation may cause injury or death."

This follows the successful introduction of the Dangerous Substances (LPG Cylinder Labelling) Bill 2020 into the South Australian Parliament in June 2020.

From: www.safework.sa.gov.au/news-and-alerts/news/news/2021/safety-reform-with-warning-label-on-lpg-bottles

• IATA Dangerous Goods Regulations Manual 2022

Sept 2021: The 2022 IATA Manuals include over 350 updates.

For Airlines, Freight Forwarders, Ground Handlers and shippers, the IATA Dangerous Goods Regulations (IATA DGR) manual is to ensure Dangerous Goods are transported safety and efficiently by Air.

Significant Changes Webpage:
www.iata.org/en/publications/newsletters/iata-knowledge-hub/cargo-ground-ops-regulation-manuals-annual-significant-changes/

What's New in the DGR 63rd Ed? (YouTube Video 1min 10sec)

Book: USA$355 + shipping; Digital(Single User): USA$328

From: www.iata.org/en/publications/dgr/

• IATA Lithium Battery Shipping Regulations 2022

Sept 2021: As adoption of electric cars, e-bikes increases and Lithium Batteries become lighter and last longer, the number of products relying on lithium batteries will only continue to grow.

Lithium Batteries, if not properly designed, tested and manufactured can fail and catch fire. In addition, the stored energy and flammable electrolyte in the battery means that they must be prepared properly for shipping to reduce the potential risk to the transport system.

The Lithium Battery Shipping Regulations (LBSR) is a manual with all the information manufacturers, retailers, wholesalers, freight forwarders and others in the supply chain need to ensure compliance when shipping Lithium Batteries.

What is the LBSR Manual? (YouTube Video 2min)

For Example: Packing Instructions PI 966 & PI 969 have been revised to clarify the packing options for Section 1, which are:

- The Lithium cells or batteries are packed in a UN specification packaging, then placed with the equipment in a strong rigid outer packaging: or
- The cells or batteries are packed with the equipment in a UN specification packaging

Book: USA$215 + shipping; Digital (Single User): USA$199

From:
www.iata.org/en/publications/store/lithium-battery-shipping-regulations/

• IMDG Code 2020 (incorporating Amendment 40-20)

Amendment 40-20 includes Revisions to various Sections of the Code and to transport requirements for specific substances. It is mandatory as from 1 June 2022 but may be applied by Administrations in whole or in part on a voluntary basis from 1 January 2021.

From: IMDG Code 2020 (Flyer 5 Jan 2021) (1 page pdf)

IMDG Code Information: www.imo.org/en/OurWork/Safety/Pages/DangerousGoods-default.aspx

Frm: www.imo.org/en/publications/Pages/IMDG%20Code.aspx

IMO Distributors in Australasia:

The IMDG Code Hardcopy Book (Vol: 1 & 2) & Supplement,
or an Annual Subscription digital form,
can be purchased in Australia from:

Boat Books Australia (Sydney) ph: 02 9439 1133 for $400 incl. GST +$25 postage (in Australia). (They hold Books in AU)
www.boatbooks-aust.com.au/ & search on "IMDG Code"
Email: Boatbooks@boatbooks-aust.com.au

Dandy Booksellers Australia (Gold Coast) ph: 07 5538 6983 for $383 incl. GST + no delivery cost (in Australia).
www.dandybooksellers.com.au/ & search on "IMDG Code"
Email: Sales@dandybooksellers.com.au

• Alert: Lithium Ion Batteries & Vehicles - Hazards

The Potential Hazards Facing Emergency Responders (You Tube Video): Professor Paul Christensen lecture (in the UK) on the hazards facing Emergency Responders from Lithium Ion Batteries.

https://www.youtube.com/watch?v=kQhKYGK6m5A
The Presentation starts at 6m26s and goes until 41m50s.

Editor: A very eye-opening Alert to some very serious hazards that our Chemical Hazard Communication Network needs to understand. Paul also refers to the NFPA having Emergency Response Guides for Alternative Fuel Vehicles (35+ manufacturers), as good references & free to download.

See: www.nfpa.org/Training-and-Events/By-topic/Alternative-Fuel-Vehicle-Safety-Training/Emergency-Response-Guides/

This YouTube Video was Alerted by: Desmet Koen

• UN/OECD Seminar on 2020 Beirut Port Explosion

14 Dec 2021: UN/OECD On-Line Seminar (3 hours) follow-up to the 2020 Beirut Port explosion: Lessons learned, experiences and good practices in managing risks of ammonium nitrate storage, handling and transport in port areas, preventing accidents and mitigating their consequences

It will address the effective risk management of Ammonium Nitrate (AN) and AN-based fertilizers in port areas, including temporary (or intermediate) storage, handling and transport, especially when in proximity to high density areas, and related accident prevention, preparedness and response topics, including transboundary elements.

It will cover lessons learned from the Beirut Port explosion and other accidents involving AN and similar substances. In this respect, the outcomes may also serve to highlight the legal frameworks and control measures that are essential for controlling risk associated with the handling, storage and transport of all hazardous substances in port areas.

More information about the Seminar, including its objectives, content, target audience and the co-organizing international organizations and their legal and policy instruments is available in the UN/OECD Seminar Concept Note (9 page pdf).

From: https://unece.org/info/events/event/358445

Editor: It appears to be available only by Direct Invitation.
Contact UNECE at: Joseph.OrangiasJr@un.org

• Leverkusen DE: Solvent Storage Tanks Explosion

27 July 2021: An explosion occurred at Chempark, an industrial park for chemical factories in Leverkusen, North Rhine-Westphalia, Germany, on 27 July 2021, at 9:40 am.

The explosion killed 7 persons, 31 more persons were injured. All the casualties were workers at the site.

The city of Leverkusen stated that the explosion, which caused a fire, occurred in storage tanks for solvents.

The Environment Department of North Rhine-Westphalia (LANUV) announced they were expecting toxic doses of dioxin, PCB and furan or their derivatives in the fallout from the smoke cloud and told residents in large surrounding areas not to eat or touch fruit from their gardens, even not to clean surfaces and objects from the fallout

From: https://en.wikipedia.org/wiki/2021_Leverkusen_explosion

Environmental Notes on Chemicals

• AW&E: National Plastics Plan

4 March 2021: The National Plastic Plan outlines our approach to increase plastic recycling, find alternatives to unnecessary plastics and reduce the impact of plastic on the environment.

The Plan takes action on 5 fronts: 1/ Prevention; 2/ Recycling; 3/ Consumer Educ'n; 4/ Oceans & Waterways; 5/ Research.

e.g. Optimising Chemical Recycling of Waste Plastics Via Fluidised Bed Cracking, for an optimised feedstock for the virgin plastics manufacturing industry.

- National Plastics Plan 2021 (18 page pdf | docx) Australia now produces 2.5 million tonnes of plastic waste each year, equating to 100 kg per person. Of this, only 13% of plastic is recovered and 84% is sent to landfill. More concerningly, around 130000 tonnes of the plastic we consume leaks into the environment each year. By 2025 it is predicted 99% of seabirds worldwide will have ingested plastic. **By 2050**, it is estimated that **plastic in the oceans will outweigh fish.**
- National Plastics Plan Summary (1 page pdf)
- National Plastics Plan - Pathway to more sustainable use of Expanded Polystyrene (EPS) – Factsheet (2 page pdf)

  Products which are In Scope for the industry-led Phase Outs:
  a/ EPS loose fill consumer packaging
  b/ EPS moulded consumer packaging
  c/ EPS food and beverage consumer containers

Next Steps: In July & Dec 2022, the Australian Govt will review industry progress in taking responsibility for the applicable packaging and container types, including phasing them out where required. It will then consider if any Regulatory action (for

example, a regulated ban, or a co-regulatory or mandatory product stewardship arrangement) is warranted or not.

From: www.environment.gov.au/protection/waste/plastics-and-packaging/national-plastics-plan

Editor: Sorry that I missed seeing this Plan in March 2021!!

• Aotearoa New Zealand National Plastics Action

Sept 2021: On average each New Zealander sends at least 60 kilograms of plastic to landfill every year. Our recovery and recycling rates for plastics are low. Plastic is present in our soils, water, food and even the air we breathe.

The NZ National Plastics Action Plan builds on the recommendations of the Office of the NZ Prime Minister's Chief Science Advisor in the Rethinking Plastics in Aotearoa New Zealand report (website).

NZ National Plastics Action (12 page pdf)

Rethinking Plastics in Aotearoa New Zealand Full Report (8 Dec 2019) (264 page pdf)

From: https://environment.govt.nz/publications/national-plastics-action-plan/

• AW&E: Breaches of Ozone Protection Laws - Fines

13 Sept 2021: The Federal Dept of Agriculture, Water & the Environment (AW&E) has issued three Infringement Notices Fines for Non-Compliance within the Fire Protection Industry for breaching Regulations under the Federal Ozone Protection and Synthetic Greenhouse Gas Management Act 1989.

A Queensland company has been fined for engaging an unlicensed technician to undertake Fire Protection Work, resulting in the discharge of the Regulated Fire Extinguishing Agent and Synthetic Greenhouse Gas, **HFC-227ea**.

The unlicensed technician was allowed to work on the Fire Suppression System of a Tugboat leading to the release of 247 kg of **HFC-227ea** into the atmosphere. This is **equivalent to over 795 tonnes of Carbon Dioxide emissions.**

The company had an Approved Risk Management Plan to protect the environment as required by law, but failed to follow the plan and engaged an unlicensed technician.

The Qld company was issued an infringement notice of $13320 for engaging in conduct that led to the Extinguishing Agent being released into the atmosphere and $444 for failing to put into effect a risk management plan. The technician was ALSO issued an infringement notice of $444 for handling the extinguishing agent without a licence.

From: www.awe.gov.au/news/media-releases/fines-issued-fire-protection-industry-breaches-ozone-protection-laws

• EPA Vic: Environmental Auditors Public Register

The EPA Vic Public Register includes: Environmental Auditors *1/ Contaminated Land Auditors(60); 2/ Industrial Facility Auditors (18); 3/ Natural Resource Auditors (5);*
& Accredited Consigners (9).

From: www.epa.vic.gov.au/about-epa/public-registers/epa-appointments (as at 28 Sept 2021)

• EPA NSW: Accredited Site Auditors

Under the NSW Contaminated Land Management Act 1997 there are 46 Accredited Site Auditors listed

From: www.epa.nsw.gov.au/your-environment/contaminated-land/site-auditor-scheme/accredited-site-auditors

Editor: It would be good if WorkSafes / SafeWorks in each State & Territory maintained a similar public register of Dangerous Goods Specialists and Hazardous Chemicals Classification Specialists.

• EPA Vic: Lemon Springs Haz Waste Update

20 Sept 2021 & 15 Oct 2021: At the Lemon Springs alleged illegal waste dump a third excavation site should completed in the next few weeks (*Editor:* by mid Oct 2021).

More than 700 tonnes of waste (as of 15 Oct 2021) has been removed from the site to EPA Vic Licensed Facilities for treatment and processing. There are now a total of nine groundwater monitoring wells on site in targeted locations. When tested in early August, results continued to show no signs of contamination to the groundwater.

Also see: www.epa.vic.gov.au/for-community/incidents/illegal-dump-site-south-of-kaniva (reviewed 15 Oct 2021)

The EPA Vic estimate 3000–9200m^3 of solid and liquid waste have been buried on the property. The EPA Vic thinks that more than half of this amount is liquid waste & it is likely to contain solvents, hydrocarbons and other liquid waste.

From: www.epa.vic.gov.au/about-epa/news-media-and-updates/news-and-updates/lemon-springs-september-update

• EPA Vic: VIVA Energy Fined for Chemical Spill

18 Oct 2021: The VIVA Energy Refining Pty Ltd heat exchanger leak in April 2021 resulted in the discharge of BTEX (Benzene, Toluene, Ethylbenzene and Xylene) three times above the licenced limit into cooling water and into Corio Bay from the VIVA W5 Area North Outfall.

BTEX is harmful to fish and aquatic life, but no fish deaths have been observed from the spill. EPA Vic was notified of the breach and has issued VIVA with an $8261 fine.

From: www.epa.vic.gov.au/about-epa/news-media-and-updates/news-and-updates/viva-fined-for-chemical-spill

• EPA Vic: Waste Tracker (Updated)

24 Aug 2021: Waste Tracker is a new system to track Reportable Priority Waste. This system replaces waste transport certificates since 1 July 2021.

Waste Tracker will allow EPA Vic to see the handling of waste around the state in real time. This information will allow EPA to see any unusual activity and help our compliance work.

See the Features of Waste Tracker at:
www.epa.vic.gov.au/for-business/waste/transporting-waste/waste-tracker/features-of-waste-tracker

From: www.epa.vic.gov.au/for-business/business-forms-permits-online-tools/waste-tracker

Editor: From discussions with technical colleagues work has been done to get Dangerous Goods wastes managed appropriately using Waste Tracker.

• EPA NSW: POEO Regulations Remade (Interim)

1 Sept 2021: The NSW Government has remade the NSW Protection of the Environment Operations (Clean Air) Regulation 2010 and NSW Protection of the Environment Operations (General) Regulation 2009 with minor amendments. This is an interim approach and the Regulations will need to be replaced by 1 Sept 2022.

The Changes in the remade Protection of the Environment Operations (Clean Air) Regulation 2021 and Protection of the Environment Operations (General) Regulation 2021.

Minor changes to the General Regulation clarify the appropriate regulatory authority, for example, extending the regulatory role of Transport for NSW for non-licensed activities on water to include marine parks; and Part 6A of the Clean Air Regulation relating to cruise ship fuels has been removed as air emissions from shipping are now under Commonwealth legislation.

From: www.epa.nsw.gov.au/news/news/2021/remake-of-the-poeo-regulations

And: www.epa.nsw.gov.au/licensing-and-regulation/legislation-and-compliance/about-the-poeo-act/remake-of-poeo-regulations-2021

• EPA NSW: Recycle & Reuse Solar Panels & Batteries

23 Sept 2021: $7 million in grants available to recycle and reuse solar panels and batteries (from the EPA NSW Circular Solar grants program)

"Solar panels and batteries reaching their end of life could generate between 3000-10000 tonnes of waste per year by 2025, and 40000-71000 tonnes per year by 2035 in NSW." "Australia is a leading world market for energy storage batteries, but only between 3 and 5% are collected for recycling." EPA NSW Engagement, Education and Programs Executive Director Liesbet Spanjaard said.

More information about the EPA NSW Circular Solar Grants round two and how to apply can be found at: *www.epa.nsw.gov.au/working-together/grants/infrastructure-fund/circular-solar-trials*.

Applications close 4 Nov 2021.

From: www.epa.nsw.gov.au/news/media-releases/2021/epamedia210923-$7-million-in-grants-available-to-to-recycle-and-reuse-solar-panels-and-batteries

• UK Govt: Plan for a Hydrogen Economy

17 Aug 2021: The UK's first-ever Hydrogen Strategy drives forward the commitments laid out in the Prime Minister's ambitious 10 Point Plan for a green industrial revolution by setting the foundation for how the UK government will work with industry to meet its ambition for 5GW of low carbon hydrogen production capacity by 2030 – the equivalent of replacing natural gas in powering around 3 million UK homes each year as well as powering transport and businesses, particularly heavy industry.

With UK government analysis suggesting that 20-35% of the UK's energy consumption by 2050 could be Hydrogen-based, this new energy source could be critical to meet the UK's targets of net zero emissions by 2050 and cutting emissions by 78% by 2035 – a view shared by the UK's independent Climate Change Committee.

UK Hydrogen Strategy (CP 475, Aug 2021, 121 page pdf)

From: www.gov.uk/government/news/uk-government-launches-plan-for-a-world-leading-hydrogen-economy

Alerted by the AIDGC "What's Happening" newsletter

• EPA WA: Earl Grey Lithium Project (Revised)

12 Oct 2021: Covalent Lithium Pty Ltd propose to make changes to their existing approved Lithium mine.

Changes include the construction and operation of a solar plant to provide renewable energy; changes to the tailings disposal method from a dry to a wet tailings; co-disposal of inert refinery waste generated from the Kwinana Lithium Refinery; and modific'n of existing flora & vegetation & fauna exclusion areas.

From: www.epa.wa.gov.au/proposals/earl-grey-lithium-project-revised-proposal

Editor: I included this so we can gain an understanding of the issues in this type of project. There is extensive documentation.

• CSIRO: Plastic Waste Advanced Recycling Technologies

25 Aug 2021: The CSIRO Report, **"Advanced Recycling Technologies to Address Australia's Plastic Waste",** (74 page pdf | text) evaluates the ways to convert plastic waste that can't be recycled with existing methods, into new resources for Australia's circular economy.

It is estimated that 130,000 tonnes of plastic leaks into the Australian marine environment each year. Less than 12% of plastic waste is recycled and about 85% ends up in landfill.

Advanced Recycling of plastic waste, also referred to as feedstock, molecular, or chemical recycling, converts plastic waste into its chemical building blocks and back into plastic, or other useful resources such as fuel.

From: www.csiro.au/en/news/news-releases/2021/advanced-recycling-turning-plastic-waste-into-resources

Editor: The Advanced Recycling paths have detailed information on the pros & cons for: Purification (by Dissolution); Depolymerisation (by Enzymolysis; Chemolysis; Solvolysis); & Conversion (by Gasification; Pyrolysis; Hydrothermal; Hydrocracking).

• EPA USA: Pyrolysis & Gasification Units Rulemaking

27 Sept 2021: EPA USA Proposed Rulemaking on Pyrolysis and Gasification Units

Pyrolysis and gasification are often described as heat-induced thermal decomposition processes. However, through recent interactions with stakeholders, EPA USA has learned that pyrolysis and gasification processes are more widely being used to convert waste into useful products or energy.

From: www.epa.gov/stationary-sources-air-pollution/advance-notice-proposed-rulemaking-pyrolysis-and-gasification

From: www.epa.gov/stationary-sources-air-pollution/clean-air-act-guidelines-and-standards-waste-management

26 Sept 2021: The American Chemistry Council (ACC): Pyrolysis and gasification units are the crux of advanced recycling facilities that convert post-use plastic into feedstocks for remanufacturing into valuable virgin-quality plastics. Since 2017, 14 USA States have enacted laws appropriately regulating advanced recycling as a manufacturing process, as opposed to solid waste disposal or incineration.

Advanced recycling is essential to ACC and EPA USA's shared goal of creating a more circular economy for plastics. The ACC have asked the USA Congress to require all plastic packaging to contain at least 30% recycled plastic by 2030.

From: www.americanchemistry.com/chemistry-in-america/news-trends/press-release/2021/epa-should-not-regulate-advanced-recycling-as-solid-waste-incineration

• UNEP: Resource Extraction in a "Circular" World

10 Sept 2021: The Role of Resource Extraction in a "Circular" World. A new Report from Canada's Smart Prosperity Institute (SPI) explores that issue, finding that so-called primary material producers will need to better integrate themselves into the burgeoning circular economy.

The Report, Primary Materials in the Emerging Circular Economy (July 2021, 40 page pdf), also says that more research is needed to develop policies & practices that support resource-producing countries.

For many places, improving circularity is likely to have deep and different implications for the existing economy. We need to improve our understanding of how this transition will impact the entire value chain, while ensuring we transition equitably and pay attention to impacts on workers' livelihoods.

The SPI report found that over the next several decades, the world will need to use more raw materials to satisfy the needs of a fast-growing population and create the underpinnings of a low-carbon economy. (Minerals & metals are key components in everything from electric car batteries to solar panels.)

As the global population rises and the middle class grows, the report finds that, even if recycling and reprocessing rates grow faster than the extractive sectors, economies will continue to rely on new materials in the short to medium term.

From: www.unep.org/news-and-stories/story/role-resource-extraction-circular-world

• CEFIC: More Safe & Sustainable Chemicals: How?

13 Oct 2021: For More Safe and Sustainable Chemicals: How to get there? On the 6 Oct 2021 Cefic launched a new Discussion Paper (13 page pdf presentation) on the "Safe and Sustainable-by-Design: Boosting innovation and growth within the European chemical industry" website to contribute to ongoing stakeholder discussions on how to refine this concept to accelerate the transition towards a Circular Economy and climate-neutral society.

"Next to a regulatory agenda, it is crucial to realise which are the practical challenges for the industry. For example, we need an agenda for SMEs. There are companies with a limited number of chemists that will need to re-convert their knowledge to achieve the objectives of the Chemicals Strategy for Sustainability." (Cefic Director General Marco Mensink)

According to Cristina de Avila, Head of Unit, Sustainable Chemicals, Directorate-General for Environment at the European Commission, the European Commission is expected to develop the criteria for Safe and Sustainable-by-Design chemicals by the end of 2022.

From: https://cefic.org/media-corner/newsroom/for-more-safe-and-sustainable-chemicals-how-to-get-there/

Standards & Codes

• AU & DIN Standards – https://infostore.saiglobal.com/

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

AS 2243.1:2021: Safety in Laboratories Planning and Operational Aspects. Sets out requirements, general procedures, precautions, recommendations and information designed to promote safety of persons and property in laboratory operations. Published: 10 Sept 2021. 44 pages. Hardcopy $168.58. pdf $197.43 (3 users).

AS 2243.2:2021: Safety in Laboratories Chemical Aspects and Storage. Includes Procedures for handling flammable, toxic, corrosive, unstable and highly reactive chemicals, and compressed and liquefied gases. Published: 10 Sept 2021. 88 pages. Hardcopy $229.86. pdf $269.20 (3 users).

DIN/TR 10133:2021-09: Toxicological Assessment of Additives for Tobacco Products - A guidance; Text in English. Published: 1 Sept 2021. 71 pages. Hardcopy $250.10. pdf $186.44

• AU Draft Standards Open for Comment

DR AS 2809.4:2021: Road Tank Vehicles for Dangerous Goods Part 4: Road tank vehicles for toxic corrosive or ammonium nitrate emulsion suspension or gel cargoes.
Draft Published: 07 Oct 2021. Comment Closes 10 Dec 2021.
Download the Draft from www.standards.org.au

DR AS/NZS 2243.3:2021: Safety in Laboratories - Part 3: Microbiological Safety and Containment. The major change in this Edition is the addition of a Section for the containment of water-based species, including fish and aquatic invertebrates.
15 Sept 2021: Download the Draft from www.standards.org.au
Comment Closes Thurs 28 Oct 2021

DR AS/NZS IEC 60079.32.2:2021* Explosive Atmospheres, Part 32.2: Electrostatics Hazards – Tests.
* For more details see the NZ Drafts entry for this Draft.
5 Sept 2021: Download the Draft from www.standards.org.au
Comment Closed 18 Oct 2021

Standards Australia updated its process in 2021 for downloading a Draft Standard. Visitors to *SAI Global Infostore* are no longer able to download the drafts (even though most are listed in the SAI Global search list (website as above).

All drafts are now available directly from Standards Australia www.standards.org.au by searching on "Draft".

https://standardscommunity.force.com/idppoc/s/login/
(where you need to sign in first) Then Select "Connect" for Drafts open for Public Comment. *Note:* Changed web address.

The Draft AS2809.4 (listed above) is included:

Current Projects are still listed as a spreadsheet at the end of each month, but it is no longer obvious how to find this xlsx file.

https://www.standards.org.au/getmedia/874f5af4-b633-408f-ada3-b16c34960070/Current_Projects.aspx (30 Sept 2021)

Includes: *103924 AS 2809.4 Road tank vehicles for dangerous goods Part 4: Road tank vehicles for toxic, corrosive or ammonium nitrate emulsion, suspension or gel cargoes*

103925 AS 2809.5 Road tank vehicles for dangerous goods, Part 5: Road tank vehicles for bitumen and tar-based cargoes

AS 2809.1:2020 Amd 1 Road tank vehicles for dangerous goods, Part 1: General requirements for all road tank vehicles

AS 2809.2:2020 Amd 1 Road tank vehicles for dangerous goods, Part 2: Road tank vehicles for flammable liquids

AS 4452 The Storage and Handling of Toxic Substances

AS 4681 The Storage and Handling of Class 9 (Miscellaneous) Dangerous Goods and Articles

AS 4081 The Storage and Handling of liquid and liquefied Polyfunctional Isocyanates

AS 3833 The Storage and Handling of mixed classes of dangerous goods, in packages and intermediate bulk containers

AS 1894 Storage and Handling of non-flammable cryogenic and refrigerated liquids

AS 2931 Selection and use of emergency procedure guides for the transport of dangerous goods + 30 EPGs being updated

• Aged Standards Review 2021

Inactive Technical Committee Aged Standards: Documents where no existing active committee is available to provide input.

Where objections to withdraw Aged Standards are raised, Standards Australia will assess the objections and, where necessary, undertake further consultation with relevant stakeholders, before reaching a final determination on the most appropriate action to be taken.

Spreadsheet with 24 entries:
www.standards.org.au/getmedia/0258f9cd-5b5b-4757-826d-8fcff4e9b012/Aged-Standards-Review-2021.xlsx.aspx

e.g. AS 2634-1983 Chemical Plant Equip't made from Glass-Fibre Reinforced Plastics (GRP) based on thermosetting resins

Consultation from Friday 15 Oct 2021 to Friday 17 Dec 2021.

www.standards.org.au/standards-development/aged-standards

• ISO Standards via NZ Standards

ISO 24095:2021. Workplace Air - Guidance for the measurement of Respirable Crystalline Silica. Pub: 13 Sept 2021, 43p, Hardcopy NZ$248.54 (+postage); pdf NZ$248.54.

Also: BS ISO 24095:2021. Pub: 15 Sept 2021, 52p, Hardcopy NZ$519.48 (+postage); pdf NZ$519.48

ISO/TS 24106:2021. Essential Oils - Name Harmonization of Components. Establishes the correspondence between the English & French names and gives the corresponding CAS No. for each Component in all "Essential Oils" Standards. Pub: 9 Sept 2021, 8p, Hardcopy NZ$91.24 (+postage); pdf NZ$91.24

ISO 16000-6:2021 Indoor Air - Part 6: Determination of Organic Compounds (VVOC, VOC, SVOC) in indoor and test chamber air by active sampling on sorbent tubes, thermal desorption and gas chromatography using MS or MS FID. Pub: 20 Aug 2021, 36p, Hardcopy NZ$248.54 (+postage); pdf NZ$248.54.

Also: BS ISO 16000-6:2021. Pub: 25 Aug 2021, 46p, Hardcopy NZ$491.51 (+postage); pdf NZ$491.51

ISO/TS 17420-9:2021 Respiratory Protective Devices - Performance Requirements - Part 9: Special application Chemical, Biological, Radiological & Nuclear (CBRN) **Supplied Breathable** RPD. Requirements for respiratory protective devices for use by workers during response to incidents involving Chemical, Biological, Radiological or Nuclear (CBRN) materials used with intent to cause harm or in cases of accidental release outside traditional Hazardous Materials response categories. 5 Oct 2021, 41p, Hardcopy NZ$248.54 (+postage); pdf NZ$248.54.

ISO/TS 17420-8:2021 Respiratory Protective Devices - Performance Requirements - Part 8: Special application Chemical, Biological, Radiological & Nuclear (CBRN) **Filtering** RPD. Requirements for respiratory protective devices for use by workers during response to incidents involving Chemical, Biological, Radiological or Nuclear (CBRN) materials used with intent to cause harm or in cases of accidental release outside traditional Hazardous Materials response categories. 5 Oct 2021, 52p, Hardcopy AU$280.01 (+postage); pdf NZ$280.01.

ISO 27919-2:2021 Carbon Dioxide Capture - Part 2: Evaluation procedure to assure and maintain stable performance of post-combustion CO2 capture (PCC) plant integrated with a power plant. The PCC plant separates CO2 from the power plant flue gas in preparation for subsequent transportation and geological storage. 1 Oct 2021, 60p, Hardcopy NZ$280.01 (+postage); pdf NZ$280.01.

From: www.standards.govt.nz/latest-publications/

And: www.standards.govt.nz/develop-standards/standards-nz-work-programme/

• NZ Draft Standards

DR AS/NZS 2243.3:2021 Safety in Laboratories - Part 3: Microbiological Safety and Containment. The major change in this Edition is the addition of a Section for the containment of water-based species, including fish and aquatic invertebrates.
16 Sept 2021: Download the Draft from www.standards.org.au
Comment Closes Thurs 28 Oct 2021

DR AS/NZS IEC 60079.32.2:2021* Explosive Atmospheres, Part 32.2: Electrostatics Hazards – Tests. Provides standard test methods used for the control of static electricity, such as surface resistance, earth leakage resistance, powder resistivity, liquid conductivity, capacitance, and evaluation of the incendivity of provoked discharges. It is especially intended for use with existing Standards of the AS/NZS IEC 60079 series.
** To read the info on this webpage you need to scroll down.*
6 Sept 2021: Comment Closed 18 Oct 2021

From: www.standards.govt.nz/latest-publications/

And: www.standards.govt.nz/develop-standards/standards-nz-work-programme/

NZ Standards Work Program

Download a copy of the NZ Stds Oct 2021 Work Program:
From: www.standards.govt.nz/assets/documents/work-programme/standards-nz-work-programme.xlsx (131 projects)

e.g. HB5433 Transport of Dangerous Goods, expect 30 Nov 21

e.g. AS/NZS 60079.29.1:2017 Amd 1, Explosive Atmospheres - Part 29.1: Gas detectors - Performance requirements of Detectors for Flammable Gases, expected 29 Dec 2021

e.g. AS/NZS 1020 The Control of Undesirable Static Electricity, expected 30 Nov 2021

• NFPA Codes, Reports, News

All NFPA documents are at: 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/NFPA-News

New Projects (from Aug 2021 meeting):
Fire Protection of Cannabis Growing and Processing Facilities

Apply for Technical Committee membership

e.g. **New/Reorganized Committee**: **Hazardous Waste (HDW-AAA):** NFPA 401 Recommended Practice for the Prevention of Fires and Uncontrolled Chemical Reactions Associated with the Handling of Hazardous Waste. **NFPA 401** applies to the generation, transport, treatment, storage, and disposal of hazardous waste at generator sites, during transportation, and once it reaches a treatment, storage, and disposal facility.

NFPA News-&-Research: *www.nfpa.org/News-and-Research*

Standards Seeking Public Development Input

For a complete listing of NFPA standards accepting Public Input, please go to www.nfpa.org/publicinput

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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**.*

Seminars, Conferences

• A Risk Based Approach to Haz. Area Classif'n

27 Oct 2021 6:30 pm to 8:00 pm Webinar: An innovative Risk-Based approach to Hazardous Area Classification.

Member Rate: $0.00 ($0.00 excl. GST)
Student Member Rate: $0.00 ($0.00 excl. GST)
Non-Member Rate: $30.00 ($27.27 excl. GST)

From: www.engineersaustralia.org.au/event/2021/06/risk-based-approach-hazardous-area-classification-37676

• Worksafe Vic: New DG (S&H) Regs Explained

Thurs 28 Oct 2021 Webinar (12.00noon to 12.45pm) Free

A free Webinar Panel discussion with WorkSafe experts (Dr Rodi Sferopoulos, Senior Dangerous Goods Advisor, Linda Lewis Senior Technical Inspector DG Strategic Inspections Team, and Conrad Tullochon, Group Leader and an Inspector for the Dangerous Goods Strategic Inspection Team) about the changes for the **Vic Dangerous Goods Storage and Handling Regulations** & what they mean to your business. Topics include: Why the Vic Regulations needed to change; how important it is to have a good Emergency Plan in place; when & how to Notify; & what are the Duty Holder Obligations.

Register at Eventbrite

From: www.worksafe.vic.gov.au/events/dangerous-goods-storage-and-handling-new-regulations-explained

• DGAG Discuss/Chat Combined Meeting 17 Nov 21

Dangerous Goods Advisory Group Discuss/Chat meeting, **Wed 17th Nov 2021** will (hopefully) be a combined Physical Meeting and Zoom Meeting between 5.45 pm to initially meet up and then run between 6.00pm and 8.00pm and tidy up by 8.15pm, at a Community Centre Meeting Room in the City of Port Philip ***OR*** at another central venue (to Covid Rules).

Zoom attendees please join from 5.50pm. (Please allow that some difficulties may occur, as this is not my office set-up.)

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

IF you would like to be added to the Dangerous Advisory Group / Chemical Hazard Communication Network meetings email issues list, please email Jeff.Simpson@haztech.com.au. You don't have to be in Melbourne, to be on this email list.

• AIDGC Conference 25th Feb 22 West Ryde & Webinar

To be at West Ryde (Sydney) Location & a Webinar

Also a **Battery Hazards Workshop on Thurs 24th Feb 2022**.

Details and cost will become available on the AIDGC website links below. The least expensive option is to become an AIDGC member and include the Conference. The previous Conference location is no longer available due to Covid-19.

From: https://aidgc.org.au/ & https://aidgc.org.au/news-events/

• Chemical Management Online Accredited Course

An Online* ASQA# course in Chemicals Management is offered by ChemWatch (without needing to be their client).

Topics include: 1/ Chemical Safety Data Sheets (SDS); 2/ Chemical labelling; 3/ Chemical handling & use; 4/ Safe storage of hazardous chemicals; 5/ Personal protective equipment; 6/ Transport requirements; 7/ Management of chemical risks; 8/ Hazardous waste disposal; 9/ The basic principles of integrating chemicals management at the workplace

This Nationally recognised# Course in Chemicals Management is applicable to workplaces, such as manufacturing, engineering, chemical research, restoration/preservation and education (laboratories) and any other industry where hazardous chemicals are handled; where the trained person would then work under supervision.

Time frame for learners to complete the course is 6 months. The course is self-paced. Cost $450. With **three Modules:**

- Chemicals management processes and assessment of risks
- Managing chemical risks and control measures
- Management of hazardous chemical waste

*From: www.chemwatch.net/products/accredited-course-in-chemicals-management/ with **FAQs.***

* *This course is run Online, through the Chemwatch Learning Management System (LMS).*

\# *Accredited by the **A**ustralian **S**kills **Q**uality **A**uthority under the National Vocational Education & Training Regulator Act 2011*

Also See: https://training.gov.au/Training/Details/10895NAT

The ASQA webpage has more information about each unit

Editor: It is also relevant for businesses supplying / managing chemicals to understand chemical management issues.

• AIOH: Scientific (Face-to-Face) Conference

Now 19th – 23rd March 2021: Conference **Theme** is **"Challenge for Change"** which was selected due to the nature of 2020/21, which communicates, transforming Challenges into positive Change Opportunities.

Keynote Speaker: Dr Norman Swan Mbchb, Frcp, Dch, Md (Hon Causa). Multi award-winning, health and medical broadcaster and communicator.

Registration Brochure: https://online.fliphtml5.com/wrehk/lgcv/ *(18 webpage document, then print as 150% landscape pdf)*

Conference Mon-Wed. 3 Dinners. Cost: $1900 Non-member. $2475 Late (from 1 Oct 21) Non-member

From: www.aioh.org.au/events-public/2021-conference

• R4Risk Online Training / Webinars / Presentations

They include HAZOPS, Risk Management; Process Safety.

From: https://r4risk.com.au/wp/

• IChemE Training

Face-to-Face Training (Search: Melbourne, Brisbane, Perth)
Fundamentals of Process Safety
HAZOP Leadership and Management (Melb, 14 Sept 2021)
HAZOP Study for Team Leaders and Team Members
Layer of Protection Analysis (LOPA)
Practical Distillation Technology
Process Safety Leadership and Culture
Online Training Asia Pacific time zones
Carbon Footprint Reduction for Manufacturing Industry
Fundamentals of Process Safety
HAZOP Study for Team Leaders and Team Members
Hydrogen Workshop
Inherent Safety in Design and Operation Development

From: www.icheme.org/career/training/

• Various Chemical Management Courses

See www.haztech.com.au for courses I am aware of:

www.haztech.com.au/hazardous-chemicals-management-training-resources-in-australia-nz/

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

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, Website: www.haztech.com.au.

Hazmat & Environment Notes" publication times are approx: end March, early June, mid Aug, mid Oct, and early Dec. Renewals are notified with your last issue. The date of your last issue of your subscription will be given on the top right corner of the envelope label, e.g. July 22 or normally in the Subject of the Email in which you receive the Hazmat Notes pdf file.

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Date: Description:

Please email to advise your EFT to: Jeff.Simpson@haztech.com.au International EFT: use Westpac SWIFT code WPACAU2S