

Hazmat & Environment Notes March-April 2003

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Notes to Especially Consider are:

DR03221: The Storage & Handling of Flammable & Combustible Liquids AS1940

There are significant changes. In particular the Tables for what is Minor Storage, needs to be looked at closely to ensure it makes sense and is workable.

A very important Australian Standard to review and comment on by the 19th June 2003.

170 pages, free to download as a 1.16 Mb pdf file.
From www.standards.com.au

APVMA Reconsideration of Registrations & Approvals Related to ARSENIC (in Copper Chrome Arsenate (CCA) & Arsenic Trioxide)

"In 2002 the APVMA noted action taken by the US EPA to move away from timber treatments containing arsenic by December 2003. This action comes ahead of the completion of the formal assessment of CCA by the US EPA. Since this announcement, various actions have been taken in Europe, Canada and New Zealand, based on claims of potential human health risks associated with CCA. Some of these countries have put in place mitigation measures to minimise exposure until the concerns are investigated."

See the note on page 4 for details on the APVMA reconsideration.

From APVMA Ag&Vet Chemical Gazette, April 03

Hazmat & Environment Notes are prepared by:

Jeff Simpson

Hazardous Materials Consultant

Editor & Publisher

I have edited and published this newsletter since 1985, initially within the Aerospace Industry, and then to all industry using chemicals since 1991.

I work as a Regulatory Affairs and Hazardous Materials Consultant and try to put my concern about chemicals into practice, and influence everyone to make better choices of, and better use of chemicals.

My approach is to provide a short, succinct note on each hazardous material issue, sufficient to allow you to make a decision of whether it is relevant to you. If you need more information contact details / website / etc are provided.

I encourage all readers to make comment on draft regulations, codes and standards.

Print Version - Resent

ISSN: 1441-5534

Hazardous Substances

• Final GHS Document Now Available Online

The Globally Harmonised System for Classification and Labelling of Chemicals (GHS) is designed to permit self-classification. The provisions for implementation of the GHS allow the uniform development of national policies, while remaining flexible enough to accommodate any special requirements that might have to be met. The GHS is expected to be in place within 5 years time, by 2008.

The GHS is available free to download at:
www.unece.org/trans/danger/publi/ghs/officialtext.html

• Classification Specialists Needed in Authorities

The prescriptive part of the Performance Based Hazardous Substances and Dangerous Goods (and hopefully soon EPA Chemical Environmental Effects) regulations is to classify each chemical product correctly.

As a minimum in Australia we need several classification specialists who can advise industry of how to overcome problems and differences when there are discrepancies about whether or not to classify, or there are classification differences between companies.

At present these discrepancies cost a lot of time to resolve and create many headaches for those working in the field and their customers. No Regulatory Authority or Industry Group is currently taking the lead to overcome this.

As a minimum I suggest that the NSW and Victoria Authorities responsible for chemical products that are (or will be classified) as Hazardous under the current chemical legislation (and in the future against the recently agreed Globally Harmonised System of Classification), have 3 specialists each: one each in Physical/Chemical effects; one each in Health Effects; one each in Environmental Effects.

If industry can get the classification right and are consistent, then the rest of the performance based regulations can be applied more easily. If not right or not consistent there are many costs that will or may then occur.

What do you think?
 Email me: Jeff.Simpson@haztech.com.au

• Australian MSDS Code of Practice (May 2003)

NOHSC expects to declare the revised code in April 2003 and publish it by the end of May 2003.

The new edition of the MSDS code will incorporate the information provisions of the NOHSC dangerous goods standard. The revised code will also harmonise national MSDS requirements with international chemical management systems (e.g. 16 section data sheet), such as the Globally Harmonised System for the classification and labelling of chemicals (GHS). The GHS will mean that environmental effects information will also be expected (but not mandated until Australian EPAs agree on this) to be in the MSDS. The EU and USA SDS will also be aligning with the GHS criteria and format (expected by 2008 or earlier).

The New Zealand Safety Data Sheet (SDS) is also almost finalised, will closely align with virtually the same layout of information, and is expected to be available in June 2003.

By the end of May I expect that you will be able to download the MSDS Code of Practice from the NOHSC

website: www.nohsc.gov.au and by the end of June the NZ SDS from: www.nzcic.org.au

Partly from NOHSC News Summer 2002 plus from my industry contacts.

• NZ Workplace Exposure Standards 2002

Approximately 700 substances have been assigned standards. The NZ List also cross refers to Appendix 6 which has Workplace Exposure Standards Proposed by Other Organisations in the World.

Editor's Comment: a very useful document.

From: www.osh.dol.govt.nz/order/catalogue/329.shtml

• An Assessment of Skin Sensitisation by the Use of Epoxy Resin in the Construction Industry

ISBN 071762675X, 52 pages, 330Kb pdf.

A literature and industrial survey to review the information available on skin sensitisation due to the use of epoxies, particularly in the construction industry.

As a result of the literature review, the main constituents in epoxy resin systems responsible for skin sensitisation were identified. It was shown that the reactive constituents of base resin, curing agents, diluents etc. are responsible for skin sensitisation to epoxy resins used in the construction industry, either singly or in combination.

From www.hse.gov.uk/flist/april.htm 1st April 2003

• Mutual Misconceptions Between Designers and Operators of Hazardous Installations

ISBN 0717626229, 62 pages, 530Kb pdf

Provides a guide to research that has been conducted on the misconceptions that designers of hazardous installations sometimes have about operators and the operating environment, and the misconceptions that operating and maintenance staff have about designers, the design process or design intentions.

Describes a simple process and some resources to apply this research. Helps operators test whether they have misconceptions about the design, and helps designers test whether they have misconceptions about operators.

From www.hse.gov.uk/flist/february.htm

• Occupational Asthma Website

The UK Health and Safety Executive (UK HSE) has a new website on occupational asthma, which is the most frequently reported respiratory disease in Great Britain.

This website tells about:

- The main causes of occupational asthma
- What it is like to get the disease
- What employers have to do to protect their employees (see Live Issues and Information)
- What UK HSE and stakeholders are doing to tackle the problem

This website does NOT deal with asthma in children or the non-working population eg. from substances in the home or general environment.

From: www.hse.gov.uk/asthma/

NICNAS (Industrial Chemicals)

• Low Regulatory Concern Chemicals Options

To consider the options for reform of the regulation of industrial chemicals of low regulatory concern (LRCC) an Industry and Community Consultation Paper will become available on the 6th May 2003.

There will be a good opportunity to make comment on how to we have a more cost effective process for evaluation of new chemicals of low regulatory concern.

With a reduced NICNAS need to evaluate LRCCs this should mean they will be more NICNAS resources to look at existing chemicals of concern (see below).

LRCC Background Paper No 2: International Comparisons of New Industrial Chemicals Programs (29 pages 850 Kb doc file) is available from:

<http://www.nicnas.gov.au/news/index.htm>

For info email: lrc@nicnas.gov.au or usanka.sabic@nicnas.gov.au, ph: 1800-638-528.

The Options Paper will be available from the NICNAS Website, 6 May 03, www.nicnas.gov.au

• Review of the Existing Chemicals Program

is being undertaken by NICNAS. NICNAS will be meeting with various focus groups to prepare and then release an Options Paper in mid July with meetings in major capital cities and then be open for comment for 3 months.

For the Existing Chemicals Program NICNAS will be looking at how better to determine national priorities for assessment, ho to better utilise overseas testing and assessment program data, and the needs of the community to have access to sound information on chemical hazards and risks.

If you think you should be involved in the focus group discussions contact: Sneha Satya, ph: 02-8577-8880; email: sneha.satya@nicnas.gov.au or

Deborah Willcocks, ph: 02-8577-8890, email: deborah.willcocks@nicnas.gov.au

• Small and Medium Business Compliance Seminar Registration of Interest Form

NICNAS acknowledges that some small to medium businesses may benefit from assistance with the NICNAS compliance self management process.

NICNAS therefore plans to conduct compliance - related seminar with a pilot in 2003 in SYDNEY should there be sufficient interest. Members of small to medium - sized businesses who import or manufacture industrial chemicals that wish to attend should advise NICNAS.

Contact: Phillip Lee, freecall: 1800-638-528; ph: 02-8577-8830; email: phillip.lee@nicnas.gov.au

From NICNAS Matters No.6 Dec 2002

• Draft PEC Report For Methylcyclopentadienyl Manganese Tricarbonyl (MMT)

The draft Priority Existing Chemicals (PEC) report on one of the four Anti-Valve Seat Recession (AVSR) Fuel Additives, presents a summary and evaluation of

information relevant to a full assessment of MMT, covering use, exposure, toxicity, effects on human health and the environment. Recommendations for the safe uses of MMT are made.

MMT is highly toxic to aquatic organisms and is also highly toxic in animals and humans. The critical effects from acute exposure to MMT are neurological & pulmonary dysfunction.

163 page, 1.05Mb pdf file is available from: www.nicnas.gov.au/news/pdf/draft_MMT-AVSRpubliccomment.pdf

From the Chemical Gazette Feb 2003, www.nicnas.gov.au/publications/#gazette

• Australian High Volume Industrial Chemicals List (AHVICL)

Chemicals imported and/or manufactured in volumes greater than or equal to 1000 tonnes/year.

Analysis of the 300 chemicals on the List provided some interesting information:

- twice as many chemicals are imported to Australia than manufactured locally. However, four times the total volume of high volume chemicals are manufactured locally, compared with imported;
- more than twice as many companies import high volume chemicals than manufacture locally. Around one fifth of all companies indicate activity in both importation and manufacture;

An Excel spreadsheet of the AHVICL is now on the NICNAS web site, which groups manufactured and imported chemicals as >1000t; >10000t; >100Kt; >1Mt per year. See: www.nicnas.gov.au/obligations/highvolume/index.htm

Contact: Dr Graham Harvey; Freecall: 1800-638-528; ph: 02-8577-8851; email: graham.harvey@nicnas.gov.au

From NICNAS Matters No. 6, Dec 2002.

Agricultural & Veterinary Chemicals

• Aust. Pesticides & Veterinary Medicines Authority

is the new name replacing the National Registration Authority (NRA). The *National Registration Authority for Agricultural and Veterinary Chemicals* decided on the name change to one that more clearly identifies the organisation's role and area of focus. The change is an important step in ensuring community confidence in the national regulatory system. Legislative amendment is expected to occur later in 2003.

From the APVMA website, www.apvma.gov.au

• Papers - ABARE 2003 Outlook AgVet Workshop

The Agriculture and Veterinary Chemicals Workshop held in March 2003 during the Australian Bureau of Agricultural and Resource Economics (ABARE) 2003 OUTLOOK Conference, presented an opportunity to focus on national risk management strategies, as well as current and future issues for the AgVet Chemical sector.

At the workshop it was advised that the APVMA would introduce the **Adverse Experience Reporting Program**

for **Agricultural Chemical Products** which will enable AgVet Chemical users and the wider community to provide valuable feedback to the regulator on how registered agricultural chemical products are performing.

Papers from two speaker's who presented at the AgVet Chemicals Workshop, OUTLOOK 2003 can be downloaded from: www.apvma.gov.au/about_us/outlook_2003.shtml

"Current and Future Issues for the Sector" by Dr Alison Turner, CEO of APVMA.

"Agriculture & Veterinary Chemicals and Consumers" by Dr Heather Yeatman, Public Interest speaker.

From the APVMA website: www.apvma.gov.au

• Reconsideration of Registrations & Approvals Related to ARSENIC (in CCA & Arsenic Trioxide)

(CCA - a combination of copper (copper II sulfate; copper sulfate pentoxide; copper I oxide; cupric oxide), chromium (sodium dichromate; chromium trioxide) & arsenic (arsenic acid; arsenic pentoxide; orthoarsenic acid)).

For products containing the above active constituents can the APVMA be satisfied that their continued use:

- o would not be an undue hazard to the safety of people exposed to it during its handling or people using anything containing its residues?;
- o would not be likely to have an effect that is harmful to human beings?; and
- o would not be likely to have an unintended effect that is harmful to animals, plants or things or to the environment?

For label approvals can the APVMA be satisfied that labels for these products contain adequate instructions.

The scope of these reconsiderations is limited to:

- o the potential for toxicological effects associated with products containing or treated with arsenic (CCA or arsenic trioxide);
- o the environmental effects from the use and disposal of CCA or arsenic trioxide products; and
- o the adequacy of instructions and warnings on product labels.

The APVMA's detailed reasons for these reconsiderations can be found in the Arsenic Timber Treatment Review Scope Document (11 pages, 168Kb pdf), on the APVMA Website at www.apvma.gov.au/chemrev/chemrev.shtml

"In 2002 the APVMA noted action taken by the US EPA to move away from timber treatments containing arsenic by December 2003. This action comes ahead of the completion of the formal assessment of CCA by the US EPA. Since this announcement, various actions have been taken in Europe, Canada and New Zealand, based on claims of potential human health risks associated with CCA. Some of these countries have put in place mitigation measures to minimise exposure until the concerns are investigated.

A number of US studies have questioned the safety of CCA when used as a timber preservative on the basis of potential risks to human health, particularly to children.

The APVMA has decided to commence a review into the human health and environmental issues associated with

products containing CCA and those products containing arsenic trioxide (termite treatments)."

Info ph: 02-6272-3213 or email: chemrev@apvma.gov.au

From the APVMA Ag&Vet Chemical Gazette, April 2003 and APVMA Media Release 13 March 2003

• Review of Virginiamycin

Public comment is being sought on the draft report on the review of products containing the antibiotic Virginiamycin and their labels.

There has been concern about continuous in-feed use of antibiotic in food-producing animals and the potential hazard of animal derived antibiotic-resistant bacteria to human health.

In July 2000 the APVMA decided to reconsider the registration of products containing Virginiamycin that are used in food-producing animals and also their associated label approvals.

The APVMA draft review report **'The Reconsideration of the Registration of Products containing Virginiamycin and their Labels, March 2003'** includes information on the reasons for, and the scope of, the review as well as the outcomes of the public health and efficacy assessment and the APVMA's proposed regulatory approach.

Editor's Comment: one of the changes it proposes is deletion of all label claims, indications and use patterns that pertain to growth promotion, and/or improved feed efficiency.

Copies of the draft report are available on the APVMA's website www.apvma.gov.au, or from Clare Cordiner via email: clare.cordine@apvma.gov.au

From the APVMA Ag&Vet Chemical Gazette, April 2003

• Reconsideration of Maldison (Malathion)

Malathion is an organophosphorus insecticide approved for use in Australia for the control of over 100 pests in over 100 use situations both commercially and in the home garden.

Maldison is considered a priority for review on the basis of the toxicity of its impurities, metabolites and degradates and the potential implications of these on human health.

The APVMA's detailed reasons for these reconsiderations can be found in the APVMA's review scope document, available on the APVMA website (<http://www.apvma.gov.au>).

Information ph: 02-6272-3213, email: chemrev@apvma.gov.au

From the APVMA Ag&Vet Chemical Gazette, March 2003 and APVMA website: www.apvma.gov.au

• Reconsideration of Fenamiphos

Fenamiphos (ethyl 3-methyl-4-(methylthio) phenyl (1-methylethyl) phosphoramidate) is an organophosphorus insecticide and nematicide widely used in agriculture to control soil pests.

The nomination of fenamiphos for review originally related to concerns over possible duck poisonings and the potential for environmental contamination of soil and waterways, particularly due to potential leaching. The details of the concerns that have been raised can be found in Sections 5 to 8 of this scope document.

In 1991 the National Drugs and Poisons Scheduling Committee (NDPSC) recommended that home garden products containing fenamiphos be reviewed.

The APVMA's detailed reasons for these reconsiderations can be found in the APVMA's review scope document, available on the APVMA website (<http://www.apvma.gov.au>).

Information ph: 02-6272-3213, email: chemrev@apvma.gov.au

From the APVMA Ag&Vet Chemical Gazette, April 2003 and APVMA website: www.apvma.gov.au

Dangerous Goods

• NSW Review of the Dangerous Goods Act 1975

Can the current Act be reviewed to reasonably align with the performance based National Standard but still incorporate coverage for areas not included in the National Standard? Major Hazard Facilities are likely to be incorporated into the one Act. The transition to a performance based law rather than prescriptive laws is also being considered

(Editor's comment: In Victoria it would seem the detailed reporting required for our "performance based" Dangerous Goods legislation is more onerous than the previous "prescriptive based legislation" as the level of industry notification of sites with dangerous goods is a fraction of what it should be. Also the ability of relevant Australian Standards to be kept up to date in a timely manner is a major problem.)

During this initial review setup period, if you want to be involved, you will need to work through the industry associations that WorkCover NSW are contacting: e.g. PACIA ph: 03-9429-0670, email: info@pacia.org.au or ACSPA ph: 02-9281-2322, email: bcapanna@acspsa.asn.au

• Australasian Institute of Dangerous Goods Consultants

This new group is based in NSW and replaces the NSW WorkCover accredited consultant scheme. Dangerous Goods consultants in other States may be interested in networking with this group, particularly once the various State/Territory Regulations are reasonably harmonised. You can download their newsletters, which includes their charter, from their website at: www.aidgc.com

• Fire Risk Assessment for Workplaces Containing Flammable Substances

UK HSE Research Report RR 040, ISBN 0 7176 2157 X

This study was undertaken with the purpose of assessing the effectiveness of current UK guidance relating to the control of fire hazards in workplaces containing flammable substances. Incident data relating to fires involving flammable substances in the UK were reviewed.

The effectiveness of UK guidance in reducing fire risk in workplaces containing flammable substances, and how the efficacy of individual measures can be estimated, was assessed through reference to the incident data.

A proposal has been developed for a method for a risk-based assessment of the fire safety within workplaces containing flammable substances, to enable high risk building or processes to be identified.

Free to download as a 550 Kb pdf file.

From www.hse.gov.uk/research/rrhtm/rr040.htm

• Dangerous Goods Listserv

If you want to know about every chemical / dangerous goods / hazardous substance spill, leak, or explosion in the world, then once a week Don Johnston posts a 40-60 page Word doc file called "Newsy Stuff" on his Dangerous Goods Listserv. An amazing effort! The 550+ members also raise issues for discussion and help each other. A very worthwhile forum.

Go to <http://groups.yahoo.com/group/DangerousGoods/> then click on "Join This Group". If not already a member of Yahoo! Groups, you will need to sign up.

Alternatively if you can't access the Yahoo! Groups website from your work address due to security issues you can send an email to the Dangerous Listserv to join: DangerousGoods-subscribe@yahogroups.com, which will only allow email access.

• IATA Dangerous Goods Regs – 2003 Edition

Some significant changes in the new edition include:

Section 1.0 Definition of Dangerous Goods changed to 'are capable of posing a risk to health, safety, property or to the environment'.

Section 4.2 List of Dangerous Goods aligns to UN 12th Ed.

Section 7.1.5. The requirement has been expanded for all packages and overpacks to be marked with the net quantity of dangerous goods in package or overpack.

Section 8.1.6.9. Two alternative sequences of information identifying the dangerous goods will be acceptable until 31 Dec 2004, after which the new UN sequence will take over.

Cost \$217.80, to order a copy in Australia go to www.afif.asn.au

Information from AFIF ph: 02-9314-3055, afif@afif.asn.au

Environmental Notes on Chemicals

• Long Term Industrial Waste Containment

Facilities: The Victorian EPA is requesting comment by the 9th May 2003. I attended one of the workshops in April. My main concern is that we must run these facilities so that the entombed industrial waste will become safe with time.

I suggested that the community will expect them to be slow reaction/stabilisation facilities. We need to rename them as "Long Term Industrial Waste Containment / Stabilisation Facilities" so that this "becoming safe to handle" concept is clearly there in the name. In the rest of the world such "slow reaction/stabilisation" facilities don't appear to exist as yet.

We will then need to mix the industrial waste so that slow reaction/stabilisation in the cells can occur. This may mean various sorts of mixes will be necessary, depending on the waste received, in order to enable reaction/stabilisation.

At about 20 year intervals we will need to be able to open each cell and confirm that stabilisation is occurring (and adjust the mix if needed). By 100 years I suggest that the community would expect the waste to be reacted/stabilised and no longer need to be kept in the facility.

Finally, once the new Facility concept is in place and shown to be working, the community will expect legacy cells in the existing below ground locations (e.g. Lyndhurst) to be opened up and also confirm whether stabilisation to a safe material has occurred (and be adjusted if needed).

It will also be important to compare the costs of more expensive initial stabilisation to a "safe" material. versus less costly initial stabilisation but long term containment costs before it finally becomes "safe".

What do you think? This is important not just for Melbourne in Australia, but also for every city in the world, so that we don't leave a disposal legacy to be paid for by our descendants. Please copy any comment to me at: jsimpson@haztech.com.au.

Download the Discussion Paper & Comment Request from: www.epa.vic.gov.au/waste/technical_parameters.asp

• Guidelines on the Design, Installation and Management Requirements for Underground Petroleum Storage Systems

In response to the significant environmental impacts of poorly designed and managed underground petroleum storage systems (UPSS), EPA Victoria has released important guidelines, designed to minimise the risks associated with such systems. The purpose of the guidelines is to provide owners and operators of UPSS with a key point of reference on design, installation and management aspects of both new and existing UPSS. Also has a summary of the most commonly applicable regulatory duties related to UPSS under the Dangerous Goods Act and the Environment Protection Act.

Download the 38 page EPA Publication 888 "Guidelines on the Design, Installation and Management Requirements for Underground Petroleum Storage Systems" (576 Kb, Feb 2003)

Download a 4 page summary information bulletin, EPA Publication 892 "Design, Installation and Management Requirements for Underground Petroleum Storage Systems" (333 Kb, April 2003)

From www.epa.vic.gov.au/Land&Groundwater/upss.asp

• 2001 - 2002 NPI Data Release

The 2001-2002 National Pollutant Inventory (NPI) facility data was published on the [NPI website](#) on 31 January 2003.

This is the fourth NPI reporting year, and is the first year facilities were required to report on all 90 NPI substances. The number of reporting facilities increased by 24% compared to last year. The number of facilities reporting is 2,948 for 2001-2002.

From www.npi.gov.au

Publications

• Quick Selection Guide to Chemical Protective Clothing 4th Edition, 2003:

ISBN 0-471-27105-5, by Krister Forsberg and S.Z. Mansdorf, published by Wiley-Interscience. It contains colour-coded tables of recommendations with a listing of 16 common barrier materials against approximately 700 chemicals organised in 90 chemical classes. A very useful guide to safety professionals and emergency response

personnel. Persons preparing Material Safety Data Sheets will also find this useful to indicate possible protective materials rather than saying "wear impervious protective gloves, clothing etc". 150 pages costing approx Aus\$89.

Published and available from John Wiley & Sons, Australia ph: 1800-777-474, website: www.johnwiley.com.au.

Also from D.A. Information ph: 03-9210-7777, fax: 03-9210-7788, website: www.dadirect.com.au.

From the Wiley website:

www.wiley.com/cda/product/0,,0471271055,00.html

• ACGIH 2003 TLVs and BEIs

ISBN 1-882417-49-6. Threshold Limit Values for Chemical Substances and Physical Agents; Biological Exposure Indices.

2003 Adoptions: 2-Butoxyethanol; 2-Butoxyethyl Acetate; Caprolactam; Chlorpyrifos; Cyclohexanone; Diazinon; EPN; Ethion; Hydrogen Chloride; Isobutyl Nitrite; Isopropanol; Isopropyl Acetate; Kerosene/Jet Fuels; Magnesium oxide; Malathion; Mevinphos; Parathion; Silicon Carbide; Trichlorphon; Turpentine and Selected Monoterpenes; N-Vinyl-2-Pyrrolidone; Zinc Oxide.

2003 Proposed New TLVs: Aliphatic Hydrocarbon Gases, Alkane [C₁-C₄]; Dimethyl Sulfide; Dodecyl Mercaptan; Hexahydrophthalic Anhydride; Natural Rubber Latex; Perfluorobutyl Ethylene.

2003 Proposed Revisions: Allyl Propyl Disulfide; Carbofuran; Ethylene; Hydrogen Bromide; Phenyl Mercaptan; Propylene; Pyridine.

2002 Adoptions: Acetonitrile; tert-Amyl Methyl Ether; n-Butanol; Captan; Chloro-Propanol; Cyclohexane; Demeton; Demeton-S-Methyl; Dichlorvos; Dicrotophos; Diesel Fuel; Dioxathion; 1,3-Dioxolane; Disulfoton; Ethyl Benzene; 2-Ethylhexanoic Acid; 1-Hexene; Methyl tert-Butyl Ether; Monocrotophos; Naled; Propionaldehyde; Terbufos; Xylidine.

2003 Adopted BEIs: n-Hexane; Methyl n-Butyl Ketone; Styrene.

2003 Proposed new BEIs: Cyclohexanol; Cyclohexanone; Polycyclic Aromatic Hydrocarbons.

It now has a CAS No. Index, making it much easier to use.

224 pages, cost US\$30 + shipping & handling, contact ACGIH website: www.acgih.org/store, ph: USA-513-742-2020. Can also be purchased through the AIOH in Australia, ph: 03-9335-2577. email: aioh@ozemail.com.au

• ACGIH 2003 Guide to Occupational Exposure Values

ISBN 1-882417-50-X. Designed to support and explain the 2003 TLVs and BEIs publication. It details comparison of the most recently published values: 2003 TLVs[®] from ACGIH[®]; the OSHA Final Rule PELs; RELs from NIOSH; MAKs from the German Commission for the Investigation of Health Hazards of Chemical Compounds in the Workplace; CAS numbers; and carcinogenicity designations from ACGIH[®], OSHA, NIOSH, MAK, IARC, U.S. NTP, and U.S. EPA. The book includes a CAS number index.

Cost US\$50 + shipping & handling. Contact - See above.

• **Emergency Management Plan Development**

for a **Small Organisation** (20 employees or less) – Worksafe Victoria Guidance Note (GN 01/2003 January). Provides a series of check points for what to include.

Available from www.worksafe.vic.gov.au "Publications" then "Guidance Material"

Standards / Codes

• **Tasmanian Code of Practice for the Safe Use of Reinforced Plastics**

This draft revised code of practice applies to the use of continuous glass filament used as a reinforcing agent, and associated chemical, in industries such as boat building, swimming pools and storage tanks.

56 pages. Comment is requested by Workplace Standards Tasmania, ph: 03-6233-7657; Inside TAS: 1300 366 322, fax: 03-6233-8338, email: wstinfo@dier.tas.gov.au

From: www.wst.tas.gov.au/resource/wctcop007pla.htm

• **Australian Standards**

AS/NZS 4114.1:2003: Spray painting booths, designated spray painting areas and paint mixing rooms - Design, construction and testing

Intended to be read in conjunction with AS 2381.1. ISBN: 0-7337-4269-6

30 pages, \$57.82 pdf file, from www.standards.com.au

AS/NZS 4114.2:2003: Spray painting booths, designated spray painting areas and paint mixing rooms - Installation and maintenance

Intended to be read in conjunction with Part 1 and AS 2381.1. ISBN: 0-7337-4270-X

11 pages, \$35.24 pdf file, from www.standards.com.au

AS 2022-2003: Anhydrous ammonia - Storage & Handling

Requirements for the design, construction, location, and operation and testing of systems for the storage and handling of anhydrous ammonia, and for the management of emergencies involving anhydrous ammonia. ISBN 0-7337-5106-7

63 pages, \$97.81 pdf file, from www.standards.com.au

• **Draft Standards**

DR 03009-03018 CP : Emergency Procedure Guide – Transport

20 pages, \$20.59 pdf file, from www.standards.com.au

DR 03069: Respiratory Protective Devices

Revision of AS/NZS 1716: 1994. Proposes minimum performance and testing criteria to be observed in the manufacture of respiratory protective devices.

141 pages, free draft pdf file, from www.standards.com.au

DR 03100: Storage & Handling of Gases in Cylinders

Proposes requirements and recommendations for the storage and handling of gases in cylinders, classified as Class 2 dangerous goods. This draft applies to stores where individual gases (other than those which are covered by other specific Australian Standards) are kept, and to stores where more than one type of gas is kept.

52 pages, free draft pdf file, from www.standards.com.au

DR 03123-03125 CP: Safety of Toys – Substances & Materials

Part 4: Experimental sets for chemistry and related activities (to be AS/NZS 8124.4)

Part 5: Chemical Toys (sets) Other than Experimental Sets (To be AS/NZS 8124.5)

Part 7: Finger Paints – Requirements and Test Methods (To be AS/NZS 8124.7)

Specifies requirements for the maximum amount of certain substances and materials used in these products.

21 pages, free draft pdf file, from www.standards.com.au

DR 03165: Potting Mixes and Composts - A Guide for the Examination of Legionellae

Proposes a set of guidelines for testing of potting mixes and composts for the presence/absence of Legionella species. ISBN: 0-7337-5059-1

12 pages, free draft pdf file, from www.standards.com.au

Seminars, Conferences, Courses

• **Prescribed Wastes: Top 30 Solutions Program**

CASANZ Breakfast Seminar: Tues 29th Apr 03, 7.30-9.30am at the Vic EPA, Southbank. Cost \$27 for non-members.

Speakers: Anna-Leisa Vietz; EPA & Maree Early; Pilkington. The program aims at reducing the amount of prescribed waste requiring disposal at landfill of the Top 30 who have contributed 45% of all prescribed wastes to the landfills.

Register by Monday 28th April, with Geoff White, Secretary Victoria and Tasmania Branch of CASANZ, Ph: 9836 1999, Fax: 9836 0517, Email: g.white@eml.com.au

• **Chemcon ASIA, Singapore, 27-29th Oct 2003:**

International Conference on Chemical Control Regulations. It will have a focus on the Asia/Pacific area and will cover information on current and emerging chemical regulations: covering the reporting and testing of new chemicals, chemical inventories and the evaluation of existing chemicals, classification and labelling, risk management, hazard communication and product registration.

Additional Seminars on 30th Oct: 1/ Consequences of the EU Chemical Control White Paper; 2/ MSDS and Labelling requirements in Asia/Pacific.

Cost EURO1200 + EURO 350 each additional seminar, for details contact Feierl-Herzele GmbH, email: office@chemcon.net, or website: www.chemcon.net

• **Australian OHS Regulation for the 21st Century**

21 - 22 July 2003, ANA Hotel Gold Coast, Queensland.

Over 30 years ago, in July 1972, the Robens Report, Safety and Health at Work, had a profound effect on OHS policy making in Australia and resulted in widespread legislative change from the traditional prescriptive model to a more "self-regulatory" regime.

This Conference will examine whether current OHS regulation has outlived its usefulness, and if so, what should replace it?

Cost \$595 for 2 days; \$395 for 1 day, discounts prior to 16th May 2003. (Accommodation extra).

For details see the NOHSC website: www.nohsc.gov.au or contact Conference Logistics ph: +61-2-6281-6624, email: conference@conlog.com.au

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