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Editor's Comment:

How Can Specialists, who mostly work as single or small consulting businesses, be supported to put in Comment on Drafts etc?

There is no longer diverse input from industry as most specialists now are one person or small consulting businesses or are the only specialist left in a large business with too many things to cover.

Many specialists would like to contribute their expertise but they cannot afford the huge time cost, as they must generate an income to pay for mortgages, food, kids etc. Otherwise it is their own families who pay for their time to make comment, as their time is no longer supported over a large business or group.

It appears that Authorities and Standards are not aware that their contributing group of specialists is now almost non-existent (even Authorities and Emergency Providers have difficulty commenting). There is a danger that the various documents we have to work with will miss important issues (due to lack of diverse input).

What We Need:

A way of funding the specific specialists who the Authorities want/need to review their documents, needs to be found. As a minimum, drafts should not be charged for and those who put in significant comment should be sent a complimentary copy of the finally published Standard/Code/Guidance etc.

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.

ISSN: 1441-5534

Hazardous Substances

• Adopted National Exposure Standards

Amendments (SOURCE A UPDATES BATCH 3) declared by NOHSC to the National Exposure Standards. The revised standards are for the following substances:

Dimethylamine,	2 ppm TWA,	6 ppm STEL;
Ethyl Acetate,	200 ppm TWA,	400 ppm STEL;
Ethylamine,	2 ppm TWA,	6 ppm STEL;
Pentyl Acetate isomers,	50 ppm TWA,	100 ppm STEL,
(n-amyl acetate, sec-amyl acetate, and isoamyl acetate);		
(2-Methoxymethylethoxy) Propanol, 50 ppm TWA, - STEL.		

A new standard is available for:

1-Methoxy-2-Propanol Acetate, 50 ppm TWA, 150 ppm* STEL. (*100 ppm STEL is being considered by NOHSC)

Available from:

www.nohsc.gov.au/newsandwhatsnew/mediareleases/mr/Atmospheric.htm

Amendment (SOURCE D UPDATE) declared by NOHSC to the National Exposure Standards. The revised standard for Benzene is now: 1 ppm 3.2 mg/m³ TWA.

Available from:

www.nohsc.gov.au/OHSLegalObligations/HazSubstancesAndDngGoods/NES/Benzene.asp

From the NOHSC website: www.nohsc.gov.au

• National Code Of Practice For The Preparation Of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)].

The revision of the MSDS Code addressed various technical elements, particularly to maintain currency with international developments, namely the Globally Harmonised System of Classification and Labelling of Chemicals (GHS). However, the major focus was on expanding the MSDS Code to incorporate the information provisions of the *National Standard for the Storage & Handling of Workplace Dangerous Goods* [NOHSC:1015(2001)].

To minimise the impact on industry and allow time for the Commonwealth, States and Territories to amend their regulations, the MSDS Code should not come into effect into Commonwealth, State and Territory regulations until 24 April 2006.

Copies of the MSDS Code may be obtained from the National Occupational Health and Safety Commission's web site at:

<http://www.nohsc.gov.au/pdf/standards/MSDSCodeNOHSC20112003.pdf>

From *Chemical Gazette*, August 2003

• Chrysotile, Actinolite, Anthophyllite, Tremolite Asbestos.

Amendment to Schedule 2 of the National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]:

(a) introduces a prohibition on the use of chrysotile asbestos in Australia with effect from no later than 31 December 2003;

(b) introduces a prohibition on the use of actinolite, anthophyllite and tremolite asbestos with effect from no later than 31 December 2003; and

(c) consolidates current asbestos prohibitions and amend Schedule 2 further by including the National List of Exemptions from the chrysotile prohibition.

From and Obtain copies from www.nohsc.gov.au

• Crystalline Silica Exposure Standard Proposal

Comment is invited until 14th November on the proposed standards for respirable crystalline silica:

0.13 mg/m³ for quartz; 0.13 mg/m³ for cristobalite; and 0.1 mg/m³ for tridymite

Excessive exposure to crystalline silica has historically been linked with a range of diseases such as silicosis, tuberculosis and lung cancer. The outcomes of exposure range from mild through to severe incapacitation, and potentially death.

Download these documents from the NOHSC website www.nohsc.gov.au under Latest News.

[Public Comment Paper – Proposed Amendments to the National Exposure Standards for Crystalline Silica – July 2003](#)

[University of Western Australia Report – December 2002 A Review of the Australian Occupational Exposure Standard for Crystalline Silica](#)

[Preliminary Regulation Impact Statement on the Proposed Amendments to the National Exposure Standards for Crystalline Silica – July 2003](#)

The Public Comment Paper provides a description of the process used to develop the proposed amendments, details of how to provide your comment, summary information to support the proposed amendment, and two Appendices: 1/ Executive Summary from the UWA Report and 2/ Issues Arising from Peer Review of the UWA Report.

Editor's Comment: The Crystalline Silica exposure standards are very important to many products that contain or can release respirable crystalline silica. There are differing opinions and concerns present in this proposal that should be discussed then appropriate comment made.

From the NOSHC website www.nohsc.gov.au

NICNAS (Industrial Chemicals)

• Low Regulatory Concern Chemicals Report

The NICNAS LRCC Final Report proposed reforms are focussed on regulatory efficiency and positive incentives to drive improvements in the safe and sustainable use of chemicals in Australia. A wide range of recommendations have been identified which will make worthwhile changes for these low regulatory concern chemicals, if implemented. Download the 506k pdf file from <http://www.nicnas.gov.au/news/>

Some of the Recommendations:

- Proposal to introduce audited self-assessment by industry for those chemicals which are considered to be of low regulatory concern against NICNAS criteria.

- To introduce an exemption for low-hazardous chemicals for volumes up to 100kg. Records would be required to be kept for audit purposes with annual reporting to NICNAS.

- Introduce an audited self-assessment certificate against existing NICNAS guidelines for polymers of low

- Examine the introduction of a controlled use /specified use assessment (permit and/or certificate) category based on history of use, limited exposure and/or use in controlled environments.

- NICNAS introduces mandatory company registration of all chemical introducers currently below the current \$500,000 threshold. An administrative fee only should apply.

Contact: *Dusanka Sabic*, NICNAS LRCC Project Leader, ph: 02-8577-8870, Email: dusanka.sabic@nicnas.gov.au

From Chemical Gazette, July 2003

• Commercial Evaluation Permit Category - Amdt

The *Industrial Chemicals (Notification and Assessment) Act 1989* was amended in the last week of June 2003 to enable changes to the Commercial Evaluation Permit Category (CEC) permit system for new industrial chemicals. These

The regulatory changes are:

1. Increase in the maximum volume from 2 tonnes to 4 tonnes. Justification for the volume must be provided; &
2. A summary of the chemical's health and environmental effects to be provided.

To ensure adequate safeguards, the CEC permit system must be used only for the specified purpose of commercial evaluation. The CEC permit system cannot be used if a user agreement is not available, e.g. for imported end-use consumer products. The maximum duration of the permit remains at 2 years.

From Chemical Gazette, August 2003

• OECD SIDS Initial Assessment Meeting (SIAM)

The sixteenth meeting for the OECD Screening Information Data Sets was held in France in May 2003. NICNAS uses these reports as a basis for Priority Existing Chemical (PEC) reports

Thirty-five chemicals had SIDS Initial Assessment Profiles (SIAPs) agreed at the meeting (as following):

CAS 79-00-5, 1,1,2-Trichloroethane; CAS 98-54-4, p-T-Butylphenol; CAS 89-78-1, 1490-04-6, 2216-51-5, 15356-60-2, Category: Menthols, D/L-Menthol, Menthol, L-Menthol, D-Menthol; CAS 78-59-1, 3,5,5-trimethyl-2-cyclohexen-1-one; CAS 2837-89-0, 2-Chloro-1,1,1,2-tetrafluoroethane; CAS 88-44-8, m-Toluenesulfonic acid, 6-amino; CAS 93-68-5, o-Acetoacetoluidide; CAS 96-33-3, Methylacrylate; CAS 103-11-7, 2-Ethylhexyl acrylate; CAS 2439-35-2, 2-(Dimethylamino)ethyl acrylate; CAS 95-31-8, N-tert-butyl-2-benzothiazosulfenamide; CAS 99-04-7, m-Toluic acid; CAS 115-07-1 1-Propene; CAS 108-39-4, 106-44-5, 15831-10-4, Category: m-,p-Cresols, m-Cresol, p-Cresol, m-,p-Cresol; CAS 32536-52-0, Diphenyl ether, octabromo derivative; CAS 1163-19-5, Bis(pentabromophenyl)ether; CAS 122-52-1, Triethyl phosphite; CAS 505-32-8, 1-Hexen-3-ol, 3,7,11,15-tetramethyl; CAS 556-82-1, 2-Buten-1-ol, 3-methyl; CAS 4016-24-4, Hexadecanoic acid, 2-sulfo-1-methylester, sodium salt; CAS 5102-83-0, 5567-15-7, 6358-85-6,

Category Diarylide Yellow pigments: Pigment Yellow 13, Pigment Yellow 83, Pigment Yellow 12; CAS 95-47-6, 108-38-3, 106-42-3, 1330-20-7, Category: Xylenes: o-xylene, m-xylene, p-xylene, mixed xylene; CAS 3323-53-3, Adipic acid, compound with hexane-1,6-diamine (1:1); CAS 7782-50-5, Chlorine; CAS 150-90-3, Butanedioic acid, disodium salt; CAS 106-31-0, 107-92-6, Butyric anhydride, Butyric acid; CAS 150-90-3 Butanedioic acid, disodium salt.

For information on SIAM 16, contact *Sneha Satya* by ph: 02-8577-8880, email sneha.satya@nicnas.gov.au

Information on the OECD SIDS program from: <http://www.oecd.org/EN/home/0..EN-home-525-nodirectorate-no-no-no-12,00.html>

SIDS reports, published by UNEP, at: <http://irptc.unep.ch/irptc/sids/sidspub.html>

• AICS (new CD and future Website availability)

Inventory data on the new CD is up to date as at the end of May 2003. AICS CD users may purchase the new CD at the price of \$242 per CD. From website: www.nicnas.gov.au/forms/pdf/nicnasorderform.pdf. The new CD will be posted free of charge to company registrants who indicate to NICNAS **when registering** that they wish to receive a copy.

Note: A Deed was executed on 5 May 2003 between NICNAS and the American Chemical Society Chemical Abstract Service (CAS) which clears the way for the Australian Inventory of Chemical Substances (AICS) to be placed on the web. **Editor's Comment:** I am advised this will be by the end of 2003.

From the July and May 2003 Chemical Gazettes.

Agricultural & Veterinary Chemicals

• Arsenic Based Timber Treatments FAQ

This 4 page document became available on the 4th August from the Australian Pesticides and Veterinary Medicines Authority to answer frequently asked questions.

Download at: www.apvma.gov.au/chemrev/arsenic_faq.pdf. The review of Arsenic in CCA treated products is expected to be completed by the end of 2003. The question on what was happening overseas is of particular interest with the phasing out of CCA treated timber in domestic situations during 2004 in the USA, Canada and the EU, but with NZ saying there was insufficient evidence, and only supporting a move away from CCA treated timber in playground equipment.

• New Ag&Vet Active Constituents

Tetraconazole CAS: 112281-77-3;
Bacillus Sphaericus Strain 2362 Dried Concentrate.
From Ag&Vet Chemical Gazette, August 2003

• Ag&Vet Chemicals being Reconsidered

Products containing Carbon Disulfide, p31, July 03.
Products containing 2,4-D, p42, July 03.
Both from Ag&Vet Chem Gazette July 03

• Ag&Vet Suspended Products

Containing Endosulfan: *Ag&Vet Chem Gazette July 03*
Containing Ethylene Oxide: *Ag&Vet Chem Gazette Aug 03*

Details on the above Notes from: www.apvma.gov.au

Dangerous Goods

• NSW Dangerous Goods Bill 2003 Assented

The Occupational Health and Safety Amendment (Dangerous Goods) Bill 2003 passed through the NSW Parliament on the 3rd July 2003 and were assented on 22nd July 2003. The Dangerous Goods Act 1975 and the Dangerous Goods (General) Regulations 1999 are repealed. The Occupational Health & Safety Act 2000 has been amended to cover Dangerous Goods, plus other Acts and Instruments have also been amended. Detailed regulations are still being prepared for consultation.

Copies of the Occ. H&S Amdt (Dangerous Goods) Bill 2003 can be downloaded from: www.parliament.nsw.gov.au select "Bills" (on the left side) then "Search for a Bill" and enter "Dangerous Goods" in the Bill Title Search.

• Guidelines for the Preparation of Transport Emergency Response Plans

The approved Guidelines for the Preparation of Transport Emergency Response Plans are to enable transport contractors to meet their obligations under Dangerous Goods legislation.

They were approved by Transport Ministers on 8th August 2003, and became effective from 11th August 2003. Prime contractors and consignors who fail to prepare plans will no longer be able to point the absence of guidelines as the reason for their inaction.

More Information: Giselle Pethard, NTC Communications Officer ph: 03-9236-5035.

View the News release at: www.ntc.gov.au under "News" then in the left box under "Current News". Guideline from: www.ntc.gov.au/DocView.aspx?page=A02208503300770020

From the NTC website www.ntc.gov.au August 2003

• NFPA Guide to Hazardous Materials 13th Ed.

This very useful HAZ01 2001/2002 Guide has been expanded in the range of NFPA Documents from 4 to 6 and it now includes:

NFPA 49-1994, amended 2001: **Hazardous Chemicals Data** (170 pages); and NFPA 325-1994, and amended 2001: **Guide to Fire Hazard Properties of Flammable Liquids, Gases and Volatile Solids** (117 pages); and NFPA 432-1997: **Code for Storage of Organic Peroxide Formulations** (newly added, 17 pages); and NFPA 491-1997: **Guide to Hazardous Chemical Reactions** (219 pages); and NFPA 497-1997: **Recommended Practice for Classification of Flammable Liquids, Gases, or Vapours and Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas** (newly added, 62 pages); and NFPA 704-2001 **Standard System for the Identification of the Hazards of Materials for Emergency Response** (22 pages).

It has also has 3 Annexes of extracted data added: from the **Recommended Practice on Static Electricity** NFPA 77-2000 (5 pages); from the **Code for the Storage of Liquid and Solid Oxidizers** NFPA 430-2000 (2 pages); and from the **Recommended Practice for the Classification of Combustible Dusts and of Hazardous**

(Classified) Locations for Electrical Installations in Process Areas NFPA 499-1997 (5 pages).

There are 3 indexes that allow you to search by Chemical name; Synonym; or CAS number.

Editor's Note: For my use in MSDS preparation I have found the *Flash Point* data and *Hazardous Reactions* Data very useful over the years. The additional data for *Static Electricity Conductivity* and *Combustible Dust Cloud Ignition Temperatures*, now also present, together this has made this a must have / must update publication.

Cost \$209 incl. GST, 664 pages. Available from the Fire Protection Association of Australia (FPAA) in Box Hill, Victoria, Bob Sutcliffe ph: 03-9890-1544, email: bobs@fpaa.com.au, website: www.fpaa.com.au.

Environmental Notes on Chemicals

• NSW Env. Hazardous Chemicals Act Review

Under the [Environmentally Hazardous Chemicals Act \(EHC Act\)](#), the EPA is able to regulate priority/high-risk chemicals throughout their entire life-cycle, thereby minimising environmental risks from hazardous chemicals and chemical waste in NSW.

When it commenced in 1985, the EHC Act provided the ability to control a chemical of environmental concern throughout its entire life cycle. There have been significant changes since then. e.g. Since the introduction of the National Industrial Chemicals Notification and Assessment Scheme in 1989 there is a need to ensure that NSW chemicals legislation clearly supports, rather than duplicates, national chemical assessment schemes.

This review will assess the effectiveness of the Act, and whether its provisions are still appropriate. The review will consider whether the EHC Act would benefit from the establishment of clear objectives, minor modifications to reduce duplication, clarification of interactions between the EHC Act and national assessment schemes, and some minor amendments to reflect modern approaches to environmental management.

The KEY ISSUE: *Does a separate chemicals Act (the EHC Act) incorporating life-cycle management tools remain the most effective way to improve environmental outcomes relating to hazardous chemicals?*

The 15 page Background paper can be downloaded from: www.epa.nsw.gov.au/chemicals/chemreq.htm

Send submissions by **22 September 2003** to: EHC Act Review, Environment Protection Authority, PO Box A290, Sydney South NSW 1232. Email: ehcactreview@epa.nsw.gov.au.

Information Ashley Watson, NSW EPA ph: 02 9995 5797.

From www.epa.nsw.gov.au

• Towards Ecologically Sustainable Management of Chemicals in Australia

In May 2002, the Environment Protection and Heritage Council established a high level National Chemicals Taskforce to scope issues associated with a national approach to ecologically sustainable chemical management and regulation in Australia.

The National Chemicals Taskforce developed the following documents:

[Scoping paper - Towards Ecologically Sustainable Management of Chemicals in Australia](#), 498kb pdf, 80 pages,

[Supporting Information - Towards Ecologically Sustainable Management of Chemicals in Australia](#), 223kb pdf, 52 pages

Of particular interest in the Report: were the sections: Overseas Initiatives In Chemicals Management pages 21-23 & the Features of a Best Practice System pages 25-30.

There is no similar environmental assessment framework (compared to when an industrial, agvet, therapeutic or food additive chemical is assessed under their own Acts) that clearly expresses the environmental issues to be considered in assessing and managing potential risks from exposures to industrial, therapeutic and food additive chemicals; and the kind of risk management outcomes that would be expected by regulators. (from p34)

In May 2003, this report was considered by EPHC. The Taskforce concluded that more work is needed. Consequently, EPHC established a Working Group chaired by NSW EPA on the Environmental Risk Management of Chemicals to develop a proposal for a national environmental risk management framework for chemicals. The Working Group is also to investigate options to address other priority areas identified in the Taskforce's scoping report. In doing so, the Working Group will consult with relevant Ministerial councils, government agencies, industry and the community.

From www.ephc.gov.au/ephc/chemicals_mgt.html

• Hazardous Household Waste – European Study

The aim of this 158 page study (July 2002) on hazardous household waste (with a main emphasis on hazardous chemicals) was to evaluate national experiences of the management of hazardous products likely to become hazardous household waste (HHW), and to make proposals for strategies for the appropriate management of such products within a lifecycle perspective.

The Main Report & Executive Summary are available from: www.europa.eu.int/comm/environment/waste/studies/household.htm as 600kb and 100kb pdf files.

For the purpose of this study the term "household hazardous waste (HHW)" is defined as: *such wastes that could potentially increase the hazardous properties of municipal solid waste when landfilled, incinerated or composted.* Namely: paints, pesticides, arsenic treated wood, fluorescent lamps, degreasers/corrosives, oils, batteries, accumulators, leather tanned with chromium, pharmaceuticals, and ink/toner cartridges.

From the website www.europa.eu.int and the Report which was referred to in the above EPHC Supporting Information on p44.

• Retail Fuel Outlets – Env. Risk Management

The Victorian Environment Protection Authority has recently published: [Environmental Risk Management at Retail Fuel Outlets](#) (May 2003, PDF format, 454 KB) which can be found from: <http://www.epa.vic.gov.au/search.asp> and then searching on "903".

The 38 page report presents the findings of an audit of environmental risk management at retail fuel outlets (RFOs) which EPA Victoria does not specifically regulate. Information was gathered at 22 RFOs, which were selected

to represent a broad variety of operators throughout rural and metropolitan Victoria.

Old steel tanks without cathodic protection were generally believed to present the greatest risk of developing leaks, and were found to be in use at one-third of the sites audited. The majority of RFO's used inventory control as the sole means of leak detection of varying accuracy. High risks to surface water as a result of inadequate spill management provisions were identified.

The findings of this audit contributed to the development of the *Guidelines on the Design, Installation and Management Requirements for Underground Petroleum Storage Systems* February 2003 (Noted in Hazmat Notes - March/April 2003).

From Victorian EPA website: www.epa.vic.gov.au

• Cleaner Production - Small/Medium Enterprises

Good Practice for Cleaner Production – Small and Medium Sized Enterprises (Publication 899, May 2003)

This guide helps identify simple and practical ways to improve your business's environmental performance while increasing productivity and reducing the costs of production.

Currently not available in PDF format, it can be viewed as 11 individual web page Guides at:

www.epa.vic.gov.au/business_sustainability/sme

[Guideline 1 - Waste Assessment](#)

[Guideline 2 - Improve Purchasing](#)

[Guideline 3 - Improve Storage](#)

[Guideline 4 - Conserve Energy](#)

[Guideline 5 - Conserve Water](#)

[Guideline 6 - Preserve Waterways](#)

[Guideline 7 - Reduce Waste](#)

[Guideline 8 - Reduce Risk](#)

[Guideline 9 - Improve Information](#)

[Guideline 10 - Improve Systems](#)

[Guideline 11 - Reduce Odour and Air Emissions](#)

For a printed version of the guidelines, contact Vic EPA Information Centre ph: 03-9695-2722.

From www.epa.vic.gov.au/business_sustainability/sme

Networking Groups

• Chemical Hazard Classification Network Started

Following my concern over resolving chemical hazard classification difficulties, which are adding to industry's costs, I have started a network group in Melbourne and an Internet YahooGroups ListServ.

22 persons came in July. The 2nd meeting is Wed 29th Oct.

The ListServ at <http://groups.yahoo.com/group/Chem-Haz-Classification/> is now also available for everyone to join. It has two purposes: to help members of the Network resolve their classification issues.

For details on either email: Jeff.Simpson@haztech.com.au

• National Toxics Network Website

NTN is an Australian Community Network working for pollution reduction, protection of environmental health and environmental justice for all.

This website should be accessed by everyone in industry, as a part of becoming aware of key community issues, and then for each industry person to take action in their own company, to help meet the community's needs. Go to: www.oztoxics.org/ntn.

In order that an active community network is sustained in Australia, I recommend that each person in industry take out at least the personal registration for \$15 to the NTN (as you a community member too, trying to do what you can to make a difference).

Standards

All below are downloadable from www.standards.com.au

New Standards

AS/NZS ISO 14015:2003: Environmental management - Environmental assessment of sites and organizations (EASO)

Provides guidance on how to conduct an EASO through a systematic process of identifying environmental aspects and environmental issues and determining, if appropriate, their business consequences. It covers the roles and responsibilities of the parties to the assessment (the client, the assessor and the representative of the assessee), and the stages of the assessment process (planning, information gathering and validation, evaluation and reporting). 0-7337-5385-X, 19 pages, \$42.77 pdf file, from www.standards.com.au

AS 1627.1-2003: Metal finishing - Preparation and pretreatment of surfaces - Removal of oil, grease and related contamination

Methods described for decontaminating surfaces include simple solvent wiping, immersion in solvent, solvent spray, vapour degreasing, emulsion cleaning, and alkaline cleaning. The process will usually remove loose adherent dirt from affected surfaces. Depending on the nature of the finish coating to be applied, cleaning by any of the procedures described in this Standard may be followed by a more rigorous intermediate treatment, such as pickling or abrasive blast cleaning. 0-7337-5257-8, 12 pages, \$42.77 pdf file, from www.standards.com.au

AS 1627.5-2003: Metal finishing - Preparation and pretreatment of surfaces – Pickling

Procedures for employing chemical solutions to remove oxidation products (scale), corrosion products and related foreign materials. It includes acid and alkaline descaling for ferrous materials and also includes acid descaling for non-ferrous materials as follows: (a) Steels. (b) Cast iron. (c) Aluminium and aluminium alloys. (d) Copper and copper alloys. (e) Zinc and zinc alloys. (f) Nickel and nickel alloys. 0-7337-5355-8, 20 pages, \$48.71 pdf file, from www.standards.com.au

AS 1627.6-2003: Metal finishing - Preparation and pretreatment of surfaces - Chemical conversion treatment of metals

Covers requirements and procedures prior to the application of a suitable organic protective coating and includes the following processes: (a) Phosphate conversion coatings for ferrous and non-ferrous metals. (b) Chromate conversion coatings for aluminium, magnesium, zinc and their alloys. 0-7337-5381-7, 28 pages, \$48.71 pdf file, from www.standards.com.au

AS IEC 61882-2003: Hazard and Operability Studies (HAZOP Studies – Application Guide)

Provides a guide for HAZOP studies of systems utilizing the specific set of guide words defined in this document. It also gives guidance on application of the technique and on the HAZOP study procedure, including definition, preparation, examination sessions and resulting documentation and follow-up. Documentation, as well as a broad set of examples encompassing various industries, illustrating HAZOP examination is also provided. 0-7337-5433-3, 52 pages, \$83.95 pdf file, from www.standards.com.au

AS 8124.4-2003: Safety of toys - Experimental sets for chemistry and related activities

The requirements for the maximum amounts of substances and preparations which in excessive amounts may harm the health of the children using them, delivered with the toy. 0-7337-5309-4, 7 pages, \$35.24 pdf file, from www.standards.com.au

AS 8124.5-2003: Safety of toys - Chemical toys (Sets) other than experimental sets

The requirements for the substances and materials used in chemical toys (sets) other than experimental sets. It specifies the maximum amounts of substances and preparations which in excessive amounts may harm the health of children using them delivered with the toy. *Additionally*, requirements are specified for markings, warning, safety rules, contents list, instructions for use and first aid information. This applies to: — plaster of Paris (gypsum) moulding sets; — ceramic and vitreous enamelling materials supplied in miniature workshop sets; — oven hardening plasticised PVC modelling clay sets; — plastic moulding sets; — embedding sets; — photographic developing sets; — adhesives, paints, lacquers, varnishes, thinners and cleaning agents (solvents) supplied or recommended in model sets. 0-7337-5310-8, 12 pages \$48.71 pdf file, from www.standards.com.au

AS 8124.7-2003: Safety of toys - Finger paints - Requirements and test methods

This part specifies requirements for the substances and materials used in finger paints and applies to finger paints only. Additional requirements are specified for markings, labelling and containers. 0-7337-5311-6, 25 pages \$57.82 pdf file, from www.standards.com.au

HB 139-2003: Guidance on Integrating the Requirements of Quality, Environment, and Health and Safety Management System Standards

Provides detailed guidance on integrating the requirements of AS/NZS ISO 9001:2000, AS/NZS ISO 14001:1996 and AS/NZS 4801:2001 into a single management system. It includes a section where the Clauses of the three Standards are grouped on the basis of common features, with advice on how these features could be combined. It includes advice on why integration should be considered and how the integration process could be managed. 0-7337-4094-4, 70 pages, \$42.77 pdf file, from www.standards.com.au

HB 254-2003: Guide to Control Assurance and Risk Management

Explores the relationship between risk management and corporate governance and provides a plan for the implementation of an effective risk assurance framework. It takes the view that risk management develops the control environment and the control environment provides

reasonable assurance to Boards and senior managers that the organisational objectives will be achieved within an acceptable degree of residual risk. It provides an overview of the risk management process in line with AS/NZS 4360, Risk management. The Guide will be useful for Boards and senior managers in understanding the relationship between corporate governance and risk management, and in implementing an effective risk assurance framework, and it may be applied to organisations of any size. 0-7337-3782-X, 40 pages, \$35.24 pdf file, from www.standards.com.au

ISO 20823:2003: Petroleum and related products - Determination of the flammability characteristics of fluids in contact with hot surfaces - Manifold ignition test

Specifies a test method to determine the relative flammability of fluids when contacted with a hot metal surface at a fixed temperature, but it is also possible to gauge fluid ignition temperatures by adjustment of the manifold temperature. It is primarily used to assess the resistance to ignition of fire-resistant hydraulic fluids which are, by definition, difficult to ignite. It may be used with other types of more flammable fluids at lower surface temperatures, but this could significantly increase the hazards of this procedure. 5 pages, \$56.41 pdf file, from www.standards.com.au

ISO 15867:2003: Intermediate bulk containers (IBCs) for non-dangerous goods – Terminology. 2 pages, \$41.70 pdf file, from www.standards.com.au

ISO 16104:2003: Packaging - Transport packaging for dangerous goods - Test methods. 47 pages, \$171.69 pdf file, from www.standards.com.au

New Drafts

- **DR 03382: The Handling and Transport of Dangerous Cargoes in Port Areas**

Proposes requirements and recommendations for the handling and transport of dangerous cargoes in port areas, including facilities, berths and operations. Its safety measures include repair work on ships and at shore installations emergency procedures and fire protection. 135 pages, free pdf file, from www.standards.com.au

- **DR 03358: Safety in Laboratories – part 10: Storage of Chemicals**

Proposes procedures and requirements for the segregation and storage of chemicals held in stores associated with laboratories. 38 pages, free pdf file, from www.standards.com.au

- **DR 03360: Risk Management**

Proposes a generic guide for managing risk. It may be applied to a wide range of activities or operations of any public, private or community enterprise, or group. 30 pages, \$13.86 pdf file, from www.standards.com.au

Seminars, Conferences, Courses

- **Ag&Vet Industry Registration Seminar, 9-10 Sept**

This 2 day seminar is designed to help registrants get their application "right the first time" and to avoid unnecessary delay and cost. It is limited to 80 participants. Cost \$300. ph: 02-6272-5852; email: rcs@apvma.gov.au

From: www.apvma.gov.au/about_us/reg_seminar_sep03.pdf

- **National Pollutant Inventory Workshop, 16th Sept**

A representative of the EPA NPI Group will provide up-to-date information regarding the current structure of the NPI and likely changes. Carlton, Victoria, 1.00-4.30pm, cost \$195. Contact Australian Environment Business Network, ph: 03-9397-2511, website: www.aebn.com.au, email: john@aebn.com.au, fax: 03-9397-2411.

- **Ecotoxicology Conference, 28 Sept–1 Oct 03, NZ**

"Solutions to Pollution" - Practical solutions to environmental issues facing the Asia/Pacific region.

Organised by the Society of Environmental Toxicology and Chemistry Asia/Pacific & the Australasian Society for Ecotoxicology Held in Christchurch NZ. Cost NZ\$850 (accom. extra). Website: www.ecotox.org.au/nz2003/index.html. Register on-line, or email: water@nzwwwa.org.nz, ph: 64-4-802 5262.

- **Risk & Hazard Control, 14th Oct 03, Sydney**

For Managers & Supervisors with 15 speakers, on a one day stream part of the Safety Conference 2003. The SC includes a Trade Show. Organised by the Safety Institute of Australia (NSW).

Costing \$350. For details contact the SIA Conference Organiser ph: 03-9654-7773, email: safety@aec.net.au, website: www.safetyinaction.net.au.

- **Danger 2003 Conference, 27-28 Oct 03, Sydney**

For those involved in Dangerous Goods, Hazardous Materials & Hazardous Facilities Management. Topics covered are grouped under: National & State Regulation; Storage & Handling; Transport; Onsite Security; Waste Management. Followed by 2 half day workshops.

Conference Cost: \$2414.50; Conference + 1 workshop \$3184. Contact IIR ph: 02-9923-5090 and quote L1119; email: info@iir.com.au, website: www.iir.com.au/infrastructure search on "danger".

- **AIOH Conference 2003, 6-10 Dec 2003, Adelaide National Symposium on Chemical Hazard Control In Small and Medium Size Business, 10th Dec 2003**

Some Speakers on chemical hazard control issues are:

Mr Paul Evans, UK Health and Safety Executive COSHH essentials, ILO Tool Kit for managing hazardous substances in small business.

Mr James Hart, NOHSC overview of Australian activity.

Supplier, Industry & Union perspectives on Chemical Hazard Control in Small & Medium Enterprises (3 speakers).

Overall Conference cost (including the Chemical Hazard Symposium) \$1190. **Chemical Hazard Symposium only cost** \$180 (lower rate is being subsidised by the NOHSC).

There will be a Trade Exhibition. For details ph: 08 8303 4957, email: aioh2003@aioh.org.au, website: <http://www.aioh.org.au>

Safety in Action 2004 & Hazmat 2004 (see next page)

• **Safety In Action 2004, 30th Mar–1st Apr, Melb.**

There will be a one day Dangerous Goods stream covering DG Transport, Storage & Handling, Security, etc. SIA will include a large Trade Show. Organised by the Safety Institute of Australia (Vic).

Costing approx. \$350. For details contact the SIA Conference Organiser ph: 03-9654-7773, email: safety@aec.net.au, website: www.safetyinaction.net.au.

• **Hazmat 2004 Conference, 5-6th May, Melbourne**

Will cover Dangerous Goods, Hazardous Substances, Global Harmonisation, NICNAS, Prescribed Waste Disposal, Emergency Response, Security, Liability Issues, etc. With good networking opportunities with the speakers.

Cost \$770, Members of Supporting Organisations \$660, All Distance Attendees \$550. Contact Fire Protection Assoc'n of Australia (FPAA) ph: 03-9890-1544, fax: 03-9890-1577, email: amym@fpaa.com.au website: www.fpaa.com.au

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