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• Free Chemical Safety Information

In June 2001, the International Programme on Chemical Safety's (IPCS) INCHEM service became free of charge via the Internet at <http://www.inchem.org/contents.html>. IPCS INCHEM directly responds to one of the Intergovernmental Forum on Chemical Safety (IFCS) priority actions to consolidate chemical risk assessment and Management publications and database records for public access.

The IPCS INCHEM collection includes:

- Environmental Health Criteria (EHC)– monographs;
 - Concise International Chemical Assessment Documents (CICADS);
 - Health and Safety Guides (HSGs);
 - International Chemical Safety Cards (ICSCs);
 - IPCS/EC Evaluation of Antidotes Series;
 - Joint Expert Committee on Food Additives (JECFA) – monographs and evaluations;
 - Pesticide Data Sheets (PDSs);
 - Joint Meeting on Pesticide Residues (JMPR) – monographs and evaluations;
 - Poisons Information Monographs (PIMS);
 - Screening Information Data Set (SIDS) for High Production Volume Chemicals;
 - CIS Chemical Information (ILO/CIS);
 - International Agency for Research on Cancer (IARC) – Summaries and Evaluations
- From CCOHS Liaison Newsletter, Summer 2001*

Prepared by Jeff Simpson

Hazardous Materials Consultant

Editor & Publisher

I work as a Hazardous Materials Consultant and have edited and published this newsletter since 1985.

Each year our community expects more controls to be in place to ensure our safety and our future. We expect clean food, clean homes, clean workplaces, and a clean environment, free of potentially harmful chemicals.

We are also now well on the way to a globally harmonised system of controls. Our industry is now expected to be current to the latest international standards

As a result there is a moving target of regulatory requirements to be met with changes many times a year.

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. Contact details are provided so that you may then obtain the detailed information. I also encourage you to make input into the system of regulations and standards.

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Hazardous Substances

• EEC 28th ATP HazSub Classification Available

The 28th Adaptation of Technical Progress (as a 333 page searchable pdf document) is now available to download free from the European Commission in their Official Journal (OJ) at, <http://europa.eu.int/eur-lex/en/oj/index-list.html>, then go to 21.08.2001 & select L225. This takes you to the document, then click on the "blue 1" for to obtain it. This document has the latest changes to the EU hazardous substances classifications (the Australian Hazardous Substances Designated List is based on the 1996 ATP).

• NSW Occupational Health & Safety Act & Regul'n 2001

The new OH&S Act and Regulation commenced on 1st Sept 2001. The Act has been re-ordered and is written in plain English. It contains new provisions that require employers to consult with employees on health, safety and welfare matters. The Regulation sets out requirements for all workplaces for putting systems in place to identify, assess, control and/or eliminate health or safety risks. *Of particular importance to look at are Chapter 6 Hazardous Substances and Chapter 7 Hazardous Processes.*

There will be a transitional period of 12 months for all business to implement and new requirements within the Regulation. Small employers (<20 employees) have a two-year period to implement the risk management requirements of the Regulation. Free information seminars are being held from late Sept to mid Nov 2001. Codes of Practice, Guides and Fact Sheets are also available.

For details on seminars and information go to the NSW Workcover website: www.workcover.nsw.gov.au, or phone Publications Hotline: 1800-658-134.

• Dermal Deposition in the Chemical Industry

James Wheeler¹, Penny Simpson, Martin Roff, Health and Safety Laboratory, Broad Lane, Sheffield S3 7HQ, UK.

In present technical guidance documents for risk assessments of new and existing substances, methods used to estimate exposure are crude, and can lead to serious over- or under-estimation. In addition, there are only limited data available for industrial chemicals. Relatively little effort has been made to characterise the nature of dermal deposition arising from typical activities representative of the chemical industry. Similarly, there have been relatively few attempts to assess the effectiveness of everyday regimens and equipment designed to afford protection against dermal exposure. To allow an informed approach to be taken to assessment, control and regulation of dermal exposure, all currently available information needs to be collated and reviewed. A copy of the full [report](#) is available from HSL.

Reference: [1] Wheeler J, Simpson P, Roff M (2001) CEFIC: Dermal deposition in the chemical industry: Final Report. HSL Report IR/ECO/01/05. Sheffield: Health and Safety Laboratory.

From <http://www.herox.org> published on 4 Oct 2001.

Editor's Note: www.herox.org is the website for the Human Exposure Research Organisations Exchange at the Institute of Occupational Medicine, Edinburgh. HEROX is a

forum a forum for people interested in research on human exposure to hazardous substances. The site includes a discussion group, newsletter and a database of research.

• Comment On Proposed Amendments To National Workplace Exposure Standards

The National Occupational Health and Safety Commission (NOHSC) invites public comment on proposed amendments to the following *National Exposure Standards for Atmospheric Contaminants in the Occupational Environment*: The amendments are for:

Methyl-tert butyl ether;
Methyl methacrylate (halving TWA);
1-Methyl-2-pyrrolidone;
Monochloroacetic acid;
Phosgene;
Piperidine;
Propane-1,2-diol (total vapour & particulates);
Propane-1,2-diol (particulates only);
Propranolol;
Selenium & cmpds (as Se) excludes hydrogen selenide;
1,1,1,2-Tetrafluoroethane (HFC 134a);
Toluene (halving TWA).

A Public Discussion paper providing a description of the process used to develop the proposed amendments, details of how to provide your comment. Draft documentation to support the proposed amendments and a Preliminary Impact Analysis (50 page) is available free of charge by downloading from the NOHSC web site at:

www.nohsc.gov.au/OHSInformation/Databases/ExposureStandards/toc/expsearch.asp

This is supposed to be 921Kb but is actually 5.53Mb.

Alternatively, if you wish to have a downloaded copy sent to you, request via Freecall: 1800 666 843; or Email to: esrequest@nohsc.gov.au - title your email 'Proposed amendments to national exposure standards' and include your name and postal address.

NOHSC will make final recommendations early in 2002, and following will be considered for adoption by in workplace hazardous substances legislation. Public comment closes on 7 December 2001.

From Chemical Gazette, 4 Sept 2001

• Australian Mesothelioma Register

was released in July 2001 by the National Occupational Health and Safety Commission (NOHSC).

Mesothelioma is a form of cancer, usually of the pleura or lining of the lung, which is strongly associated with exposure to asbestos. It is usually fatal and generally occurs many years after exposure to asbestos. Australia has the world's highest incidence rate of this disease.

The report provides an analysis of mesothelioma cases in Australia between 1996 and 1998, which is the latest year from which comprehensive data is available from Australian cancer registries.

The most recent data indicate a total of 459 cases of mesothelioma in 1998 of which 402 occurred in males and 57 in females. This compares with a total of 465 cases in 1997. The overall trend in the incidence of melanoma has been a significant increase since 1970. Since the commencement of the Register in 1986, a total of 4,838 cases of mesothelioma have been reported to October

2000. Of these, exposure to asbestos has been identified in approximately 87% of cases.

All Australian jurisdictions are working towards an imposition of a ban on the import and use of chrysotile asbestos no later than December 2003. NOHSC is continuing its work on a proposal to implement the decision.

The report is available on the NOHSC web site at www.nohsc.gov.au/statistics/mesothelioma_01.htm

For information contact Michael Mulrine, NOHSC ph: 02-62791037, email: michael.mulrine@nohsc.gov.au.

• Australian / EU Cooperative H&S Website

creates a single, global portal for workplace health and safety information.

It allows business, workers, specialists to be better informed about health and safety standards, regulatory demands, OSH systems and best practices in Australia and in the European Union and helps to meet the process of globalisation. Strategies to prevent occupational injuries and illnesses can be more easily shared.

The Australian website, which follows the structure and presentation of the European Agency's website network, can be viewed at www.nohsc-eu.gov.au.

For details contact National Occupational Health and Safety Commission (NOHSC), Canberra ACT 2601 Australia, ph: +61-2-6279-1000 Fax: +61-2-6279-1199 email: info@nohsc.gov.au

From NOHSC Media Release 25 July 2001

• UK Revised Hazard for Trichloroethylene

up from Category 3 carcinogen to Category 2 carcinogen. This will mean tighter controls both for worker protection and for emissions to the environment.

Trichloroethylene is used as powerful solvent for removing grease and is often used in vapour degreasing tanks for cleaning metal parts. It is also used as a solvent in certain adhesives and chemical processes.

Trichloroethylene is not banned for degreasing operations and similarly, the use of open-topped tanks for vapour degreasing has not been banned. BUT note that over the coming years there will be increasing pressure to use an enclosed tank, whichever solvent you are using.

Further good practice information for vapour degreasing, and possible alternatives, is available in the free 49 page pdf publication *Vapour Degreasing* (ref. GG15), produced by Envirowise and downloadable from www.etbpp.gov.uk. You must register, then go to "Publications" select "Guides by Industry" and then "Metal Finishing". It is a 1.1Mb file.

Note: The UK HSE is currently looking at a suggested alternative to trichloroethylene: "n-propyl bromide".

From UK H&S Commission Newsletter, August 2001, Press Release www.hse.gov.uk/press/e01099.htm, & Toxic Substances Bulletin, Sept 2001, www.hse.gov.uk/toxicsubstances/index.htm

NICNAS (Industrial Chemicals)

• High Volume Industrial Chemical List

Update - The High Volume Industrial Chemical List (HVICL) will comprise chemicals that are introduced into Australia, via manufacture or importation or a combination of both, in quantities of 1,000 tonnes or more. Stage 1, information on industrial chemicals manufactured in Australia in high volumes, has been collated and published in May 2001 *Chemical Gazette*.

To investigate Stage 2 reporting requirements issues, raised for imported chemicals, specifically those contained in imported chemical mixtures, NICNAS commissioned a pilot study to evaluate the practical issues faced by industry in providing import volume data to develop practical measures that can be used by industry for estimating import volume where providing exact volumes would be either not possible or especially onerous.

In addition, it examined what is an appropriate reporting threshold for imported chemicals. The pilot study was completed in mid-September.

A call for HVIC Information (section 48 notice) will then be placed in the *Chemical Gazette*, requiring companies to provide import data for high volume chemicals. (*Editor: probably by Dec 2001*).

For information, contact Ms Deborah Willcocks ph: 02-9577-9377, fax: 02-9577-9465 or email: debbie.willcocks@nicnas.gov.au

From Chemical Gazette, 4 Sept 2001

• Benzene Report (PEC No. 21)

The summary report is published in the 2 Oct 2001 *Chemical Gazette*. The publication of this report revokes the declaration of benzene as a priority existing chemical.

The public are exposed to benzene through the inhalation of indoor, in-vehicle and outdoor air contaminated with the chemical through releases that predominantly derive from vehicle exhaust, petrol evaporation and tobacco smoke. The occupational risk characterisation found there is cause for concern about the risk for leukaemia in all workers with repeated occupational exposure to benzene.

It is recommended that the current hazard classification be amended to include classification as "Irritating to eyes, respiratory system and skin" risk phrase R36/37/38) and as a mutagenic substance in Category 3 (risk phrase R40: "Possible risks of irreversible effects, Mutagen Cat. 3").

It is recommended that NOHSC consult on their proposal to lower the exposure standard to 0.5 ppm (TWA8), including seeking information on practicability. In the interim, it is recommended that companies immediately adopt 1 ppm (TWA8) as an internal standard.

The full benzene report is available on the NICNAS website (2.7 Mb pdf file) at: <http://www.nicnas.gov.au/publications>. For further information ph: 1800 638 528.

From Chemical Gazette, 2 Oct 2001

• **Submitting Information To NICNAS**

For Assessment Of New Chemicals (New Method). During September 2001 NICNAS New Chemicals staff commenced an initial phase of using a new format for producing New Chemicals assessment reports. This format is known as the *New Template for New Chemicals Notifications*. For the initial phase, the new template is to be used for only the toxicological section of assessment reports, i.e. •Section 9 (Evaluation of toxicological data), in full assessment reports and limited assessment reports; and •Section 10 (Evaluation of health effects data) in Polymers of Low Concern (PLC) assessment reports. The new template will be used to produce all sections of standard, limited and PLC assessment reports applied for from mid October 2001 onwards. These reports will start to be published in November to December 2001.

Changing the format of New Chemicals assessment report template is an Australian initiative towards worldwide harmonisation of New Chemicals assessment, and is consistent with the format used for European notifications, and also the format used in toxicological and physico-chemical properties reporting by major testing houses. This will be advantageous to industry, particularly where chemicals are notified in more than one country. The new template is part of a combined electronic notification form developed by NICNAS for new chemical notification.

There will be an Industry pilot phase where a select group of notifiers with long-term experience in notifying to NICNAS will be invited to submit notifications in the new format, which is anticipated by January 2002.

Full availability of the new template to all notifiers, including provision of workshops in preparation of notifications and of full guidance material is anticipated by March 2002.

For any queries about the *New Template* or the industry pilot workshops, contact Kerry Nugent ph: 02-9577-9472; email: kerry.nugent@nicnas.gov.au

From Chemical Gazette, 2 Oct 2001

Agricultural & Veterinary Chemicals

• **Chlorpyrifos Safety Directions**

On 3 October 2000 the NRA published a Notice announcing the outcomes of the interim review of chlorpyrifos with changes to the Safety Directions for many chlorpyrifos products required. To ensure that registrants of products containing chlorpyrifos as their active constituent have access to the correct Safety Direction references when preparing their labels, these references are provided in this Notice.

The details in this Notice will be used as the basis for assessing labels with regard to Safety Directions until such time as the FAISD Handbook is suitably amended.

For any questions regarding this issue please contact Sharon Pike in Chemical Review

ph: 02-6272-3753, or Graeme Barden in Agricultural Evaluation ph: 02-6272-3898.

From the NRA Gazette, 4 Sept 2001, <http://www.nra.gov.au/gazette/gazette0109.shtml> p 34

• **Generation of Agchem Storage Stability Data**

Draft Guidelines for Agricultural Chemical Products. The Agvet Code requires applications for active constituents, products and labels "to contain or to be accompanied by any information that the NRA requires". The data requirements for the generation of storage stability data for Agricultural Chemical Products are included in Part 2 Chemistry and Manufacture of the Guidelines for Registering Agricultural Chemicals.

The purpose of the draft guidelines is to provide a more comprehensive and updated guide to the conduct of stability testing.

Pdf copies of the *Draft Guidelines for the Generation of Storage Stability Data of Agricultural Chemical Products* (58Kb, 24 pages) are now available on the NRA's website: http://www.nra.gov.au/guidelines/stability_guidelines.pdf. Hard copies can be obtained from the NRA Chemistry and Residues Evaluation Section ph: 02-6272-3212 or by fax: 02-6272-3551.

Information from the NRA Dr Paul Sethi ph: 02-6272-3987.

• **New Ag & Vet Active Constituents**

The NRA has an application for the approval of new technical grade active constituents (TGACs): sulfluramid; eugenol; rosemary oil; barium selenate; & Veterinary Actives: stabilised green-lipped mussel powder;

Send submissions to: Dr Paul Sethi, Chemistry and Residues Evaluation Section, NRA for AgVet Chemicals, PO Box E240, KINGSTON ACT 2604, ph: 02-6272-3987; fax: 02-6272-3551, by the end October.

- **Sulfluramid**, CAS: 4151-50-2, C₁₀H₆F₁₇NO₂S

IUPAC Name: N-ethylperfluoro-octane-1-sulfonamide.

Sulfluramid is a slow-acting insecticide from the chemical family of fluoroaliphatic sulfonamides. There is no product application for the use of sulfluramid. However, the intended purposes are in sanitation for the control of cockroaches, ants, termites and wasps.

Editor's Note: This compound is very similar to the perfluorooctane sulfonates, being phased out by 3M and the OECD, which are very persistent in the environment, have a strong tendency to accumulate in human and animal tissues and based on recent information could potentially pose a risk to human health and the environment over the long term. I have advised the NRA, Health - Scheduled Poisons, 3M Corporation and NICNAS of the similarity.

- **Eugenol**, CAS: 97-53-0, C₁₀H₁₂O₂

IUPAC Name: 2-methoxy-4-allylphenol

Eugenol is naturally occurring in many plant materials, particularly bay leaves, cloves and allspice. It is a colourless or pale yellow, clear liquid, darkening on exposure to air, with a characteristic odour of cloves. Applications: Local anaesthetic used in dentistry, food additive (flavouring agent).

cont.

- Rosemary oil, CAS: 8000-25-7

Rosemary oil is the essential oil obtained from the steam distillation of the flowering tops of *Rosemarinus officinalis* L. (Fam. Labiatae). It is a colourless or pale yellow liquid with a characteristic odour.

- Barium selenate, CAS: 7787-41-9, BaSeO4

- Stabilised green-lipped mussel powder

Veterinary active, stabilised green-lipped mussel powder consists of freeze-dried powder derived from the flesh of *Perna canaliculus* / *caniculata*, commonly known as the New Zealand green lipped mussel. The product "Exelpet Arthri-Care" containing 100 g/kg of stabilised green-lipped mussel powder is intended to be used as an aid in the relief of arthritic symptoms in dogs, claiming to soothe joint inflammation and eases joint stiffness.

From the NRA Gazette, 2 Oct 2001, <http://www.nra.gov.au/gazette/gazette0110.shtml> p 31-39

Scheduled Poisons

• SUSDP 16 Amendment No.1, 1st Sept 2001

Changes that caught my attention:

• First aid instructions in Appendix E - Statements b, h, r & v are to be phased out (see July/August 2001 Notes).

• Schedule 5 - New Entries:

- *Copper Acetate* >5-20%
- *Copper Compounds (in animal feed)* >1-5% as Cu
- Phenol, including cresols & xylenols >3-15%

• Schedule 6 - New Entries:

- *Ammonium Persulfate (in hair preparations)*
- *Copper Acetate* >20%
- *Copper Compounds (in animal feed)* >5% as Cu
- *Potassium Persulfate (in hair preparations)*
- *Sodium Persulfate (in hair preparations)*
- *Sulfuramid (or N-ethylperfluoro-octane-1-sulfonamide)*

Dangerous Goods

• Consignment & Carriage of Dangerous Goods by Air.

This CASR Part 92 development prescribes the minimum safety requirements applicable to each person who conducts any function associated with the consignment and carriage of dangerous goods by air. Includes training, documentation, record keeping and incident reporting requirements as well as provisions for packaging, marking, labelling, loading and stowage on aircraft.

The key changes are that ICAO now requires **all** shippers of dangerous goods to undertake dangerous goods training and **all** operators to maintain a Dangerous Goods Manual of instructions for employees and these requirements are proposed in the new regulations.

Notice of Proposed Rule Making:

<http://www.casa.gov.au/prod/avreg/newrules/casr/092.htm>

The first document summarises the issues and the Annexes will be the working documents.

NPRM 0104OS - [Consignment and carriage of dangerous goods](#) (124K PDF file) Oct 2001.

NPRM 0104OS Annex A - [Proposed CASR Part 92 - Consignment and carriage of dangerous goods](#) (172K PDF file) Oct 2001.

NPRM 0104OS Annex B - [Contents page - Advisory Circulars \(ACs\)](#) (8K PDF file) Oct 2001.

NPRM 0104OS Annex B - [AC 92-1\(0\) - Dangerous goods training](#) (52K PDF file) Oct 2001.

NPRM 0104OS Annex B - [AC 92-2\(0\) - Dangerous goods manuals](#) (29K PDF file) Oct 2001.

NPRM 0104OS Annex C - [SoR to DP 0002OS - Consignment & Carriage of Cargo \(including dangerous goods and animals\)](#) (35K PDF file) Oct 2001

Public comments close on **14 December 2001**. Comments on this NPRM are invited by email to: NPRMcasr92@casa.gov.au.

For information contact CASA Paul Steele ph:+61-131-757; ph: +61-26217-1154; email: paul.steele@cas.gov.au

• Revised AMSA Marine Orders Parts 91 & 93

came into effect on 1 March 2001. The two orders, Part 91, Marine Pollution Prevention – Oil, and Part 93, Marine Pollution Prevention – Noxious Liquid Substances, both replace 1999 issues. These new orders give effect to recent changes to IMDG MARPOL.

They can be downloaded from the AMSA website http://www.amsa.gov.au/sd/mo/mo_index.htm

From Hazardous Cargo Bulletin July 2001

Environmental Notes on Chemicals

• NSW POEO Act Amendments to Schedule 1

Schedule 1 lists the types of activities that must be licensed by the NSW EPA. Some minor changes were needed and the key changes relevant to chemicals are:

Explosives & Pyrotechnics industries: exempts the mixing of explosives on mine sites, as the environmental impacts are of relatively minor significance and the mines themselves are generally licensed.

Pesticide Industries: adds pesticide formulation plants to Schedule as they have the potential for significant environmental impacts.

For information on the POEO Act ph: 133-372; email: POEOHelp@epa.nsw.gov.au.

• Fuel Quality Standards – Octane Enhancers

In Nov 2000 a discussion paper was released: <http://www.ea.gov.au/atmosphere/transport/fuel/paper2a.html>.

A key issue of concern is that the Commonwealth Government has deferred a decision on standards for MTBE, olefins and ethanol in petrol pending further assessment of these issues.

Methyl Tertiary Butyl Ether (MTBE)

The Commonwealth's initial proposal for fuel standards recommended banning the use of MTBE as an octane-enhancing additive in petrol. Whilst MTBE, as an oxygenate, can contribute to a decrease in vehicular emissions, it poses a considerable risk to ground water

supplies. If it leaks into underground aquifers, minute concentrations of MTBE can make vast quantities of water smell and taste like kerosene rendering the water undrinkable. It was proposed to set a national standard of 0.01% by volume, but this would prevent independent fuel importers obtaining an ongoing supply.

Olefins

These are unsaturated hydrocarbons (such as propylene and butylenes). They tend to be more chemically reactive and engine deposit formations can occur, can increase emissions of ozone-forming hydrocarbons and toxic compounds such as 1,3-butadiene (a carcinogen). A national standard of 18% maximum by volume was proposed, but this would prevent independent fuel importers obtaining an ongoing supply.

Ethanol

The commonly held view is that a 10% limit is acceptable and avoids any adverse engine impacts. However the ethanol industry argued that high % blends would be acceptable. A process to assess this has commenced.

From Clean Air & Environmental Quality, August 2001

Publications

• Victorian H&S Consultants Service Directory

This new internet service directory contains listings of H&S Service Providers categorised by the services they offer. Further categorisation of some lists occurs. e.g. Health and Safety Consultants where consultants offering Chemical Management are listed. Each listing provides full contact details and up to a 120 word summary of the services provided. Categories relevant to chemicals include:

- . Approved Bulk Dangerous Goods Driver Courses.
- . Asbestos – Analysts.
- . Asbestos – Removalists.
- . Authorised Pyrotechnicians.
- . Explosives Training.
- . Health & Safety Consultants, under which Chemical Management; Management Systems; Environment Management; Occupational Hygiene; Plant; Products & Services (e.g. Publications & MSDSs) are included.
- . OH&S Training Providers.

To be included in the Directory you can provide your details on the form found under “Forms” then “Consultants Directory” on the Victorian Workcover website.

<http://www.workcover.vic.gov.au/directories>

From WorkWords No. 34, Sept 2001.

• Victorian Workcover Prosecutions 2000

My review of the Victorian Workcover prosecutions in 2000 revealed eleven related to chemical hazards.

Some examples are:

- Shell Refinery (Australia) Pty Ltd

Date of offence: 30 Sept to 19 Oct 1998

Date of prosecution: 16 February

An audit and investigation at the Shell Refinery in Corio revealed various breaches relating to the defendant's fire protection facilities.

Result: Convicted and fined

- Orica Australia Pty Ltd

Date of offence: Multiple visits from 1997 to 1999

Date of prosecution: 23 March 2000

A series of visits by inspectors from 1997 to 1999 revealed sustained and multiple instances of non-compliance with the Dangerous Goods regulatory regime.

Result: Convicted and fined.

- Deistra Pty Ltd

Date of offence: 11 February 1999

Date of prosecution: 14 July 2000

An employee of the defendant sustained serious burns to his body and subsequently died as a result of an explosion in the dry cleaning area of the factory premises.

Result: Convicted and fined.

- Greater Geelong City Council

Date of offence: 25 April 1999

Date of prosecution: 1 August

Removal of cement render and cement sheeting from three external walls of the St Mary's Cricket Club Guild clubrooms located at Frier Reserve, Newtown, which was later found to contain asbestos.

Result: Convicted and fined.

- Prevon Pty Ltd

Date of offence: 22 August 1996 and 16 September 1997

Date of prosecution: 8 December

Prohibition notices and improvement notices were issued to the defendant for breaches in relation to ventilation, spray painting and the potential for ignition

Result: Convicted and fined.

- Bertram Kroupa (Director of Prevon Pty Ltd)

Date of offence: 22 August 1996 and 16 September 1997

Date of prosecution: 8 December

Prohibition notices and improvement notices were issued to the defendant for in relation to ventilation, spray painting and the potential for ignition.

[See also Prevon Pty Ltd.]

Result: Without conviction and fined.

- The Australian Steel Co. (Operations) P/L

Date of offence: 19 May 1998 and 10 June 1998

Date of prosecution: 13 December 2000

Exposure to hazardous emissions of (a) hot shale and dust; (b) cloud of steam and dust; causing burns.

Result: Convicted and fined.

- Metalising Australia Pty Ltd

Date of offence: 29 October 1997

Date of appeal hearing: 21 July 2000

An employee sustained full-thickness burns to his arms, face and neck. The injuries resulted from the ignition of flammable solvent vapours (X-95) escaping from a flow coater machine.

Result: Convicted and fined.

For more details go to <http://www.workcover.vic.gov.au/> and select “publications” then “prosecutions”.

From WorkWords No. 34, Sept 2001.

Standards

• AS 4710-2001 Packages for chemicals

not intended for access or contact with their contents by humans. Such packaging systems are usually referred to as ‘non-access packages’, e.g. cockroach & rodent baits. Child-resistant packages are in AS 1928. *11 pages. Hardcopy \$36.96, downloaded PDF file \$33.26, 11 Aug 01.*

• **AS 2809.5-2001 Road tank vehicles**

for dangerous goods - Tankers for bitumen-based products. Including bitumen sprayers. It is complementary to AS 2809.1. Specifies requirements for the design and construction of tankers for the transport of cutback bitumen, inclusive of bitumen sprayers. This Standard introduces the concept, and control design details for both automatic and atmospheric burners, for their use whilst the tanker is being normally driven. 20 pages. *Hardcopy \$44.88, downloaded PDF file \$48.39, 28 Sept 01.*

• **AS 2809.6-2001 Road tank vehicles**

for dangerous goods - Tankers for cryogenic liquids provides for vehicles which are specifically designed and constructed as road tankers, or which are conventional trucks provided with transportable tanks for use as tankers. It is complementary to Part 1 (i.e. AS 2809.1). *Note:* Carbon dioxide and nitrous oxide are with in this Standard as a matter of convenience. 23 pages. *Hardcopy \$51.92, downloaded PDF file \$46.73, 24 July 2001.*

• **AS 4839-2001 Safe use of oxy-fuel gas systems**

(portable and mobile) for welding, cutting, heating and allied processes. This Standard applies to equipment supplied from portable or mobile gas cylinders, inclusive of manifolded packs of cylinders. Cylinder mounted regulators, which may be easily removed by the users, control the downstream pressure for this equipment. The connection between the regulator and the downstream equipment is welding hose. 18 pages. *Hardcopy \$44.88, downloaded PDF file \$48.39, 28 Sept 2001.*

• **AS/NZS 4323.3 Stationary source emissions**

- **Determination of odour concentration by dynamic olfactometry.** Specifies a method for the measurement of odour concentration of pure substances, defined and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensors. 55 pages. *Hardcopy \$89.76, downloaded PDF file \$80.78, 12 Sept 2001.*

• **DR 01260 CP Emergency control**

organization and procedures for buildings, structures and workplaces. Proposes recommended procedures for the safety of people in buildings, structures and workplaces during emergencies, and guidelines for the appointment of the Emergency Planning Committee and the setting up of the Emergency Control Organization. 32 pages. *Hardcopy \$22.00, downloaded PDF file Free, 16 Aug 2001.*

• **DR 01265 CP Fire extinguishers**

(portable and wheeled) - Guide to servicing. Provides a guide to inspection and servicing of portable and wheeled fire extinguishers. 36 pages. *Hardcopy \$22.00, downloaded PDF file Free, 31 Aug 2001.*

• **DR 01303 CP Controlled environments**

for particulate, microbiological and infection control - Part 1: Classifications. Proposes the adoption of ISO 14644-1:1999 as Joint Australian/New Zealand Standard to cover the classification of air cleanliness in cleanrooms and associated controlled environments exclusively in terms of

concentration of airborne products. 6 pages. *Hardcopy Free, downloaded PDF file Free, 21 Sept 2001.*

• **DR 01285 Spray painting booths – Part 1**

designated spray painting areas and paint mixing rooms - Part 1: Design, construction and testing of spray painting booths, designated spray painting areas and paint mixing rooms in which there may be an explosion hazard due to the presence of flammable volatiles from the paints and finishes used. It is intended to be read in conjunction with AS/NZS 2381.1. 34 pages. *Hardcopy \$22.00, downloaded PDF file Free, 17 Sept 01.*

• **DR 01286 Spray painting booths - Part 2**

designated spray painting areas and paint mixing rooms - Part 2: Installation and maintenance of spray painting booths, designated spray painting areas and paint mixing rooms in which there may be an explosion hazard due to the presence of flammable volatiles from the paints and finishes used. It is intended to be read in conjunction with Part 1 and AS/NZS 2381.1. 16 pages. *Hardcopy \$14.96, downloaded PDF file Free, 17 Sept 2001.*

• **DR 01287 CP Electrical apparatus – Part 1**

for explosive gas atmospheres - Part 1: Flameproof enclosures (d). This part of AS/NZS 60079 contains the specific requirements for the construction and testing of electrical apparatus with the type of protection flameproof enclosure 'd', intended for use in potentially explosive gas atmospheres. 48 pages. *Hardcopy \$22.00, downloaded PDF file Free, 17 Sept 2001.*

• **DR 01290 CP Electrical apparatus – Part 4**

for use in presence of combustible dust - Part 4: Type of protection (pD). Specifies the requirements for design, construction, testing and marking of electrical apparatus, with type of protection pressurization 'pD', intended for use in potentially combustible dust atmospheres. 20 pages. *Hardcopy \$22.00, downloaded PDF file Free, 17 Sept 01.*

Available from Standards Australia, ph: 1300-654-646, fax: 1300-654-949, email: sales@standards.com.au. Drafts are downloadable from www.standards.com.au and select "Download a Draft". Most drafts are free when downloaded.

Seminars, Conferences, Courses

• **NSW Seminars for OH&S Act & Reg'n 2001**

To be held from late Sept to mid November 2001. For details ph: 131-050, or go to their website: www.workcover.nsw.gov.au.

• **Enviro 2002 Conference & Exhib'n, April 2002**

"A unique approach to a unique environment". Staged from 8-12th April 2002 in Melbourne, Australia by five leading environment industry associations. There will be 16 parallel technical sessions covering: Water; Waste; Odour; Business of the Environment; and Greenhouse. Approx. \$1500. *Secretariat: Quitz Event Management ph: +61-2-9410-1302; fax: +61-2-9410-0036*

• SA Workcover - SafeWork Week, Nov 2001

Events include:
 Environmental and Developmental Law Explained,
 ph: 08-8300-0104, \$325, 9.00-5.00, 12 Nov;
 Managing Hazardous Substances / Chemicals in the
 Workplace, ph: 08-8241-1066, \$15, 11.30-1.00, 14 Nov;

Confined Space Entry, ph: 08-8300-01-4, \$125, 8-4 15 Nov;
 Emergency Control & Planning, ph: 08-8300-0104, \$355,
 9-5, 16 Nov.

For details contact SA Workcover, ph: 131-855, website:
www.workcover.com.

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