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2006

Chemwatch Newsletter
Quarterly CD Release 2006/2

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Dear Chemwatch user, please find enclosed the newest release of the Chemwatch Package CD 2006/2

Classification Blues

The great thing about standards is that there are so many of them to choose from. No sooner has the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) come in than the arguments start about its implementation!

This is a story of two countries with an interest in Global Harmonisation. Country A is a world leader, and as such adopts GHS before it is complete. In order to promote environmental safety it decides to extend Environmental Hazards to Terrestrial toxicity even though no criteria for this has been agreed upon. On the basis that some things are just known to be bad, and a statement like 'Toxic to Terrestrial vertebrates' has its own inherent Criteria, they implement this.

In order to assist industry, the Government of Country A has decided to provide guidance on implementation of GHS by declaring hazards directly. (This is against the GHS principle of self classification, but no regulatory bodies were ever really comfortable with that anyway!)

That's why the EU are going to translate all their Annex 1 materials - the combined EU classifications of the last 15 years - just for reference. So Country A has GHS (sort of), with some extras.

We at Chemwatch use them as a model initially. After all, they are still a market, and for a while the only market for GHS. GHS moves on, filling some gaps and responding to worldwide interest and comment. This means we have to split off Country A, but to make it continue working we add in the extras. They are going to need them eventually.

Now Country B is going to GHS from a regulatory system based solely on Lists, so

classification as such is new to them. They aren't likely to buy into self classification either, but for now they become the second player who wants GHS.

The upshot is that Country B hates the Terrestrial toxicity notes from Country A, and Country A hates the additional categories added to the GHS. So much for 'harmony'!

Vale Red Screen

For Chemwatch users since 1996, the Report screen has been a familiar friend, the sure summary and the key to other reports for materials on the system. Popularly known as the Red Screen, it became our printed summary report and spawned the MSDS and Labels screen in Chemgold II.

Sadly, all things must pass, and the Report screen was humanely put down in favour of the much less colourful, but more flexible, Summary screen. You get the same data tailored to your particular location and language, based on your choice of MSDS.

The big advantage is for our New Zealand clients, and those looking to transfer to the GHS (Globally Harmonized System), where the standard Risk phrases are replaced by the new GHS (or HSN0 for NZ) Hazard Phrases.

Red screen:



New screen:



Galleria Chemica

Besides getting bigger and bigger, Galleria is in a state of constant change. Now we've made the application faster and easier to use. Galleria now boasts an entire set of new functions which enable the user to get the information they want, fast. These new functions replace the old ones, and are a culmination of feedback from our agents and users.



MyGal

MyGAL has just been equipped with a new batch loader and report generator. Users now can feed their chemicals into MyGAL with respect to their product formulations. The result is the option of gathering and reporting information ingredient wise and/or product wise. The amount of options for the format of output generated has increased. Users can group their output data by list, CAS, product or ingredient.



Material Safety Data Sheets (MSDS) - how can you be sure of accuracy & who is responsible?

It is not uncommon for a MSDS to be wrong or incomplete - even from Australian manufacturers. The reasons for this vary, with some cynics even suggesting that chemical manufacturers classify their products as non hazardous to obtain a commercial advantage!

Acetone and methylated spirits are two products commonly used in workplaces where some Australian manufacturers and suppliers fail to provide the correct classification.

This leaves many employers in a dilemma, particularly if they rely on different suppliers/manufacturers. For example, it is possible that a business could use different brands of methylated spirits with some declared as hazardous and some as non hazardous on the manufacturer's MSDS.

This creates legal compliance issues not only for the manufacturer and/or supplier, but also the employer, under the prevailing safety legislation with regard to storage, handling, record keeping and use.

If in doubt, we recommend taking one or more of the following steps:

- Contact the Manufacturer/Supplier seeking written assurance of the accuracy and compliance of their MSDS (potentially unreliable).
- Commission an expert review of the MSDS (potentially expensive).
- Subscribe to a reputable supplier of accurate, independently developed MSDS - like Chemwatch (our recommended choice - particularly if you use a variety of hazardous substances at the workplace).

For any clarification or help on this issue please contact our Business Partner Warwick Luxon (from Chemwatch) on 0408 11 77 58.

The following are some of the new database additions to Galleria Chemica in the past quarter. You can contact us at Chemwatch if you wish to see the entire list.

Galleria Chemica New & Updated lists in January 2006:

Sweden Occupational Exposure Limit Values and Measures against Air Contaminants (Swedish) - Group A - Carcinogens
 Sweden Occupational Exposure Limit Values and Measures against Air Contaminants (Swedish) - Group B - Carcinogens
 Japan List of plant or animal sources of natural flavorings
 Korea (South) Toxic Release Inventory (TRI) Chemicals
 Australia Illicit Drug Precursors/Reagents - Category II
 Chile Occupational Exposure Limits (Spanish)
 Chile Occupational Exposure Limits Substances Prohibited for Use in the Workplace (Spanish)
 Chile Occupational Exposure Limits - Absolute Permissible Limits (Spanish)
 Australia - Victoria - Hazardous Substances - Carcinogens Schedule 1
 Australia - Victoria - Hazardous Substances - Carcinogens Schedule 2
 Australia Illicit Drug Precursors/Reagents - Category II
 Canada - Saskatchewan Industrial Hazardous Substances
 Taiwan Scope and Application Standards of Food Additives - Food quality improvement, fermentation and food processing agents
 United Nations List of Narcotic Drugs Under International Control - Preparations of Narcotic Drugs Exempted from some provisions
 Australia Illicit Drug Reagents/Essential Chemicals - Category III
 US TSCA Section 8 (a) - Preliminary Assessment Information Rules (PAIR) - Reporting List
 US NIOSH IDLH List - Substances Immediately Dangerous to Life or Health
 Australia Exposure Standards for Dust
 Japan Poisonous and Deleterious Substances Control Law - Specified Poisonous Substances
 Malaysia Food Regulations - Food Conditioner that may be added to specified food
 European Union (EU) Inventory of Ingredients used in Cosmetic Products
 ASEAN Cosmetic Directive (ANNEX II - Part 1) List of Substances Which Must Not Form Part of the Composition of Cosmetic Products
 Japan Food Sanitation Law - Designated Additives (Japanese)
 US NFPA 432 Annex B Typical Organic Peroxide Formulations
 China National Dangerous Wastes Name List (Chinese)
 US Environmental Defense Scorecard Suspected Endocrine Toxicants
 Japan Poisonous and Deleterious Substances Control Law - Deleterious Substances
 Malaysia Food Regulations - Prohibited Drugs
 US Toxic Substances Control Act (TSCA) - Premanufacture Notice (PMN) Chemicals
 US Cosmetic Ingredient Review (CIR) Cosmetic ingredients found safe as used
 US EPA Acute Exposure Guideline Levels (AEGs) - Holding

US EPA Acute Exposure Guideline Levels (AEGs) - Proposed
 US EPA Acute Exposure Guideline Levels (AEGs) - Interim
 US EPA Acute Exposure Guideline Levels (AEGs) - Final
 Hong Kong Food Adulteration (Metallic Contamination) Regulations - Maximum Permitted Concentration of Certain Metals Naturally Present in Specified Foods (Chinese)
 Japan List of Existing Food Additives
 Canada - Saskatchewan Environmental Persistent of Chronic Hazardous Substances
 US EPA Toxic Chemical Release Inventory Persistent Bioaccumulative Toxic Chemical (PBT) List
 Hong Kong Food and Drugs (Composition and Labelling) Regulations - Additives in Certain Milk Products
 Denmark Chemical Substances and Products Act - Active substances which shall not be marketed or used in pesticides in accordance with international obligation or agreement
 Malaysia Food Regulations - Permitted Nutrient Supplements - Maximum Daily Amounts

Galleria Chemica New & Updated lists in February 2006:

Malaysia Food Regulations - Prohibited Drugs
 Japan List of Existing Food Additives
 Denmark Chemical Substances and Products Act - Active substances which shall not be marketed or used in pesticides in accordance with international obligation or agreement
 US EPA Toxic Chemical Release Inventory Persistent Bioaccumulative Toxic Chemical (PBT) List
 Malaysia Food Regulations - Food Conditioner that may be added to specified food
 Taiwan Scope and Application Standards of Food Additives - Pasting Agent
 Hong Kong Food and Drugs (Composition and Labelling) Regulations - Additives in Certain Milk Products
 Hong Kong Food Adulteration (Metallic Contamination) Regulations - Maximum Permitted Concentration of Certain Metals Naturally Present in Specified Foods (Chinese)
 Canada Non-Domestic Substances List (NDSL)
 China Tolerances for Pesticide Residues
 Japan Food Sanitation Law - Designated Additives (Japanese) Colour Index (CI Number)
 Malaysia Food Regulations - Permitted Nutrient Supplements - Maximum Daily Amounts
 ASEAN Cosmetic Directive (ANNEX VII - PART 1) List of Permitted UV Filters Which Cosmetic Products May Contain
 Sweden Occupational Exposure Limit Values and Measures against Air Contaminants (Swedish) - Group B - Carcinogens
 Canada Domestic Substances List (DSL)
 ASEAN Cosmetic Directive (ANNEX VIII) ASEAN Handbook of Cosmetic Ingredients - List of Preservatives Allowed
 Sweden Occupational Exposure Limit Values and Measures against Air Contaminants (Swedish) - Group A - Carcinogens
 ASEAN Cosmetic Committee (ACC), Agreement on the ASEAN Harmonized Cosmetic Regulatory Scheme (signed on 2

September 2003), Schedule B ASEAN Cosmetic Directive, ANNEX VII - PART 3 ASEAN Additional List of UV Filters Which Cosmetic Products May Contain

Australia - Victoria - Hazardous Substances - Carcinogens Schedule 2

ASEAN Cosmetic Directive (ANNEX II - Part 1) List of Substances Which Must Not Form Part of the Composition of Cosmetic Products

US Toxic Substances Control Act (TSCA) – Inventory

US Cosmetic Ingredient Review (CIR) Cosmetic ingredients found safe as used

Australia Illicit Drug Precursors/Reagents - Category II

US Toxic Substances Control Act (TSCA) - Premanufacture Notice (PMN) Chemicals

Australia Illicit Drug Reagents/Essential Chemicals - Category III

US TSCA Section 8 (a) - Preliminary Assessment Information Rules (PAIR) - Reporting List

Canada - Saskatchewan Environmental Persistent of Chronic Hazardous Substances

Chile Occupational Exposure Limits Substances Prohibited for Use in the Workplace (Spanish)

Finnish Synonyms

Australia - Victoria - Hazardous Substances - Carcinogens Schedule 1

Malta Indicative Occupational Exposure Limit Values

Malta List of Binding Occupational Exposure Limit Values

United Nations List of Narcotic Drugs Under International Control - Preparations of Narcotic Drugs Exempted from some provisions

Chile Occupational Exposure Limits (Spanish)

France Threshold Limit Values for Occupational Exposure - VLE/VME (French)

Chile Occupational Exposure Limits - Absolute Permissible Limits (Spanish)

EU Cosmetic Directive 76/768/EEC Annex III Part 2: List of Substances Provisionally Allowed (Danish)

Canada - Saskatchewan Industrial Hazardous Substances

European Union (EU) Inventory of Ingredients used in Cosmetic Products

US AIHA Workplace Environmental Exposure Levels (WEELs)

United Nations List of psychotropic substances under international control - Schedule III

Galleria Chemica New & Updated lists in March 2006:

European Customs Inventory of Chemical Substances

United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Spanish)

European Customs Inventory of Chemical Substances - ECICS (French)

European Customs Inventory of Chemical Substances - ECICS (Italian)

United Nations Recommendations on the Transport of Dangerous Goods Model Regulations

European Customs Inventory of Chemical Substances - ECICS (Swedish)

European Customs Inventory of Chemical Substances - ECICS (German)

European Customs Inventory of Chemical Substances - ECICS (Danish)

European Customs Inventory of Chemical Substances - ECICS (Spanish)

European Customs Inventory of Chemical Substances - ECICS (Dutch)

US - California Proposition 65 - No Significant Risk Levels (NSRLs) for Carcinogens

Japan Food Sanitation Law - Designated Additives

EU Cosmetic Directive 76/768/EEC Annex II: List of Substances which must not form part of the Composition of Cosmetic Products

International Council of Chemical Associations (ICCA) - High Production Volume List

China (Hong Kong) Pesticides Ordinance - Registered Pesticides List (Part II)

Japan Chemical Substances Control Law - Existing/New Chemical Substances

US EPA Acute Exposure Guideline Levels (AEGs) – Holding China List of Dangerous Goods (GB 12268-90)

Australia Dangerous Goods Code Draft 7th Edition - List of Currently Assigned Self-Reactive Substances in Packagings

US EPA Acute Exposure Guideline Levels (AEGs) – Proposed

US EPA Acute Exposure Guideline Levels (AEGs) – Interim

US Department of Transportation (DOT), Hazardous Material Table

US DOT Coast Guard Bulk Hazardous Materials - List of Flammable and Combustible Bulk Liquid Cargoes

ADNR 2005 - Agreement on the Transport of Dangerous Goods on the Rhine (Dutch Version)

US EPA Acute Exposure Guideline Levels (AEGs) – Final

Australia Dangerous Goods Code Draft 7th Edition - Goods too Dangerous to be Transported

PMN Number

ADNR 2005 - Agreement on the Transport of Dangerous Goods on the Rhine (German Version)

Bahasa Indonesian Synonyms

Japan Class Reference Number

Australia - Queensland Hazardous Materials and Prescribed Quantities for Major Hazard Facilities

Japan Poisonous and Deleterious Substances Control Law - Deleterious Substances

Japan Poisonous and Deleterious Substances Control Law - Specified Poisonous Substances

Canada Environmental Protection Act - Significant New Activity (SNAc)

Czech Synonyms

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2005, English)

Canada - Alberta Occupational Exposure Limits – Asphyxiants

US AIHA Workplace Environmental Exposure Levels (WEELs) - Skin

New staff

Gwen Briscoe is a new staff member who replaces Briony Roche as part of the registration team. Gwen, who also does modelling part time, has moved to Melbourne from Leongatha, and is trying to decide which suburb to live in!



Other staff news



Sourav Banerjee and his wife Olga from Elogix Software visited recently, and spent a few weeks working with the Melbourne office.

Nikki Ta has had her baby. A little boy called Koebe, born Monday March 27.



Mutton curry, please!

We have just come back from our hometown Kolkata in India after a six-week trip. My husband Mitra, who also works at Chemwatch as an accountant, and I were visiting home after almost three years.

Every evening, for six weeks, we had dinner either with relatives or friends. Phew! Needless to say that we came back with a couple of extra pounds each as there was a lot of catching up on the menu! Amidst all that, we squeezed in a wonderful trip to Darjeeling with our parents. Darjeeling is a hill-station known for its tea estates and breathtaking views of the Himalayas (see photograph below).



For me, this trip was more of a working holiday as I worked from Elogix there. Pradip-da and his team at Elogix were so wonderful to work with again, that it was actually “more” fun and “some” work. I thank them for their hospitality and co-operation, and especially the heartfelt farewell on the day I left.

During this time Dr Bialkower was visiting India as well. I accompanied Bernie to his demo at Ranbaxy Labs in Chandigarh. The journey to and from Chandigarh to Delhi was very interesting and unforgettable for reasons best described by Bernie himself!

Overall it was a fully-charged yet refreshing six weeks that flew by in six days! I am looking forward to the next trip already!

Anindita Sain

Chemwatch in Europe

Technical University Delft buys the Gold.

In our last Newsletter we mentioned that the TU Delft considered buying Chemgold for its 14.000 students, and indeed they have placed the order last week!

Some information on the University:

Founded in 1842, by King William II

Students - Total 13,417

Employees - 4,648

Scientific Staff - Total 2,309

Alumni - Over 60,000

Chemwatch was present at the Annual Meeting of the Nvva, The Dutch Occupational Hygiene Society.

The Nvva was founded in 1983 and now has almost 580 members.

Each year a conference is organized which focuses on a special theme. This year attention was paid to occupational hygiene and occupational care systems in small and medium sized enterprises.

During this show, attendees were able to apply for the free subscription of the weekly Chemwatch Newsbulletin. From the subscribers we will draw one who will be entitled to a free Chemgold CD for the next four quarters.

Our revolutionary product was noticed by companies like Shell and the Public Transport Company of Amsterdam. We will keep you updated about our further discussions with them.



Jos Zawierko at work... We were able to mingle with old acquaintances and to meet new ones.

Asian scene

The sales activity in the Asia/Asean region continued to provide new clients. The range of new customers covered the entire region. A major breakthrough in China saw BASF (Yangtse Petrochemical Division) as a full client for our Eastern area of interest, while a sale to the French oil giant, Total, for Myanmar saw a breakthrough for the more Western area. Together with Bin Salim of the Oman, we also achieved a substantial sale for Emergency Response information management for five of the major

Saudi Arabian Airports. This initial contract will be extended to a further fifteen Saudi airports in the near future.

SGS, the largest independent quantity/quality surveying group in the world, has extended their license to use Chemwatch as their in-house Hazmat information system. The license covers all country offices from Pakistan to Japan, and from China to Australia. They are subscribing in principle to our web hosted Chemgold II program. For locations such as China, Pakistan etc, where adequate broadband services are not always available, they will be using the CD based Chemwatch programs to access the same information.

Our more recent associate, Satya Lesmana Dimas, in Indonesia, completed a major project to have all the 800 plus pages of phrases and statements required for MSDS authoring translated into Bahasa Indonesian. This work will permit all data from the Chemwatch database to be available in Bahasa Indonesian, a major step forward in supporting our Indonesian clients. Well done, Dimas.

We have already created a new web site for our clients in Indonesia, with the site being totally in Indonesian. This is a first in OSH within the country.

In Singapore we now are the supplier of Chemical Safety, and Emergency Response information to Division 39, a member of the Singapore Armed Forces Combat Engineers, responsible for chemical incidents and warfare response to such incidents.

Chemical safety training using the ER data from Chemwatch has continued to be a significant activity. Training on distribution safety for exporters to the EU was completed for all third party toll manufacturers for Bayer, Germany. Training on DG transportation will be conducted in KL in May at a public seminar on chemical distribution and logistics.

A training program on Hazcom regulations for the many countries within the region was conducted for a major drilling fluid manufacturer. This program was conducted to provide guidance on country specific hazcom requirements. The client support in this field is a direct benefit of using the multiple language/format/classification offered by the Chemgold II program.

A major 5 day training program in Bangkok on DG management and Emergency Response will be completed, highlighting the use of Chemwatch for a significant logistics group (Schenker). This program will be finished by mid April.

Chemcare Asia has appointed a local agent in the Middle East (excluding Oman, Saudi Arabia and UAE) to promote the marketing and sales of Chemgold, as well as Galleria Chemica, to the Arabic speaking world of Academia. Initial interest is very high and we look forward to their positive contribution to the support of our global clients. The company, Advanced Automated Services of Riyadh, Saudi Arabia, has offices and facilities from Syria to Iraq, Morocco, Egypt etc. We wish them the very best in helping their clientele of major Arabic speaking Universities, hospitals and government OSH agencies.

Paul wrote this North American update during his visit to the Melbourne office, where he was immersed in the latest developments about to reach American shores.

Of particular importance to serving our clients in the US, are recent changes made to processing client requested MSDS's to add to the Chemwatch Collection. These procedural modifications will shorten the time it takes for a client to see new MSDS's in their 'BackPack' from weeks to days!

I was also in Melbourne to receive training and the latest updates to our 'List of List' product, Galleria Chemica from our Chemist/Programmer Claude Neri. Clients who have worked with Galleria Chemica have asked for assistance in running their entire list of chemicals against a set list of regulations, to receive quarterly (or even more often) status updates. The new software tool called MyGal will enable these automated runs, and make some nervous product stewards a little more comfortable in their compliance.

We hope to show this to some qualified users at the American Chemistry Council Responsible Care meeting in Miami in May. If you are attending the show, come see us at the Chemwatch booth #49 at the Hotel Intercontinental.

This past quarter we were pleased to add two of America's most prestigious research universities to our client list.

Stanford University is linking the Chemwatch Database and the Collection to their Chemical Inventory System, Chemtracker. Chemwatch recently visited Sheldon Heitz and Larry Gibbs to discuss working with other members of the Chemtracker Consortium as well. Welcome aboard Stanford and we look forward to working with your group!

After extended discussions and review, Chemwatch was selected as a chemical information and safety tool by The Johns Hopkins University. We thank John Schaeffer and his associates for their recent hospitality and look forward to a long relationship with this highly acclaimed research institution.

Joe continues to add to the list of first responders who use Chemwatch. He recently welcomed the city of Denver and the city of Philadelphia fire departments as well as the 20th Support Command – Risk Management Section.

We are looking forward to the summer weather and hope to see you at one of the shows in the coming months!

Paul



Paul Ruez conferring with some of the MSDS authoring team in Melbourne who have been working on American projects. Standing with Paul is Derek Barton, with Maricel Deomano, seated, and Rochelle (Rocky) Liyanage in the foreground.

2006 Chemwatch Australian training

Chemwatch offers the following Accredited Training Courses:

Introduction:	RTC1701A Follow basic chemical safety rules: • using Chemgold II - One Full Day • using Chemwatch Blue - One Full Day
Risk Assessment:	BSBOHS504A Apply principles of OHS risk management - Half Day

Courses will be held on either one of the two consecutive dates that are listed below. Chemgold II typically falls on the first of the two days.

ADELAIDE
May 9 or 10 Aug 15 or 16 Nov 21 or 22

BRISBANE
May 24 or 25 Aug 22 or 23 Nov 28 or 29

MELBOURNE
May 16 or 17 Aug 1 or 2 Nov 7 or 8

SYDNEY
May 2 or 3 Aug 8 or 9 Nov 14 or 15

PERTH
Contact Chemwatch for details

TASMANIA
May 30 or May 31

CANBERRA
June 6 or 7

DARWIN
June 13 or 14

On-site group training for up to 12 participants is also available at \$680.00 per half day or \$1200.00 per full day exGST. Travel expenses, if required, will be additional.

Please contact us for more information.