ChemAlert.

Perpetual research
Less risk

Special points of interest:

- ChemAlert v4.0 new possibilities
- Copyright of SDSs
- Auditing tool
- New Alerts! functionality
- Events

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Experience the new ChemAlert v4.0
new technology, new possibilities

Development on ChemAlert v4.0 has now been completed; the product has moved into 'Regression Testing' and will then move into the 'Packaging and Deployment' phase.

At this stage, the scheduled release is the first week of November.

This is the most substantial release of ChemAlert ever; not only because of record numbers of products being added and/or reviewed, or the 90,000+ new Safety Data Sheets added, but because ChemAlert v4.0 is the first release in a new technology stream that promises many new possibilities.

So what does this 'new technology' mean to you?
The new technology maintains the benefits of (a) easy deployment (zero footprint on client machines), (b) the ability to work over low bandwidth connections, (c) distributed admin-istration across many sites, and then enhances

it with (d) greater portability (tablet computing), (e) a richer, more desktop-like interface, (f) better performance and (g) compatibility with more web browsers. It also adds the framework for future development in (h) configurable workflows and (i) user customisable forms.

As with all new technology, it comes at a cost. The new technology requires the HTML5 functionality that web browsers like Internet Explorer, Firefox, Chrome and Safari have introduced in more recent years.

This means that if you're still running on Internet Explorer 6.0 (August 2001) or 7.0 (October 2006), you will need to upgrade your web browser before using the new components in ChemAlert v4.0. The good news is that you can still access all the existing functionality from version 3.3 in ChemAlert v4.0 using the older browsers.

ChemAlert v4.0 - new technology, new possibilities (cont ...)

Foreign SDSs that do not have local supplier details are considered *non-compliant* in Australia. Set your ChemAlert preferences to hide foreign products.

In v4.0 there is a new GHS version of the Hazardous Substances report called 'Hazardous Chemicals Register'.

The Incompatibilities report has new options and sections, including tabulated summaries.

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Nb. You can easily check your web browser compliance with HTML5 standards by going to the URL http://html5test.com/. The general rule of thumb for HTML5 compliance is 'newer is better'. For example, iOS 7.0 scores 399 for the embedded Safari browser as opposed to 386 for iOS 6.0.

We will be including instructional videos on how to use the new ChemAlert 4.0 interface within the News module and on our website.

The ChemAlert v4.0 application also contains a brand new module called 'News'.

This new module has been designed to allow for easy communication on topics of interest to users, including information on SDS maintenance, services, and ChemAlert development news.

Other new or updated features to look out for in ChemAlert v4.0 include:

- **Alerts! page:** Important scientific information as discussed later in this newsletter.

- **Audit Trail:** the ability to track manipulation of data throughout the application including tracking of user logon and logoff actions. This is disabled by default and can be configured within the Admin module of ChemAlert.

- **Locking:** the ability to lock Chemical

Requests and Risk Assessments once completed to ensure other users can't alter requests and/or assessments once the approved process has been completed. These can be unlocked by users with sufficient privileges for later editing.

- **Stock Reports:** updated stock reports showing additional data and better layout, including a new Hazardous Chemicals Register when you choose GHS as your report criteria. Stock reports now utilise 2 rows per record allowing for more information to be presented on the PDF reports.

- **Health Monitoring Guide:** new stock report reflecting Schedule 14 of the model health and safety regulations (2011) on those products that require Health Monitoring of employees who are exposed to the specified chemicals.

- **Batch Printing:** rework of this module to return functionality to the good ol' days but still handling the situation where a manufacturer digitally secures the PDF file. This will see files concatenated where possible and digitally secured PDF files placed separately within the ZIP file delivered to the browser.

- **Stock Management:** the ability to copy/move one or more Stock Holding items to another site without taking the entire site.

ChemAlert v4.0 utilises gesture controls when operating on a touch-screen device, but can also be navigated around using keystrokes only for desktop or laptop users. One of our principles has been making it easy to use regardless as whether you are using it on a touchscreen device (no keyboard), notebook computer without a mouse, or on a full desktop computer.

Finally as a reminder, remember that you <u>must</u> be running ChemAlert v3.3 to proceed with a standard upgrade to v4.0. Otherwise you will need to back your data, uninstall the version you are running, perform a fresh install of ChemAlert v4.0, and then reimport your data.

If you're not running ChemAlert v3.3.0.x, contact our Support Service at casupport@rmt.com.au or +61 8 9322 1711. All upgrades are included as part of your subscription to the ChemAlert service and our ChemAlert Support Department are on hand to assist you with an upgrade.

Make sure you have Auto Product Updates turned on so that you always have the *Latest Product Info and SDS* in your ChemAlert system.

Copyright surrounding Safety Data Sheets

A Safety Data Sheet by its very nature is intended to share information between the manufacturer (or importer) of a substance and the people that may be affected by the substance during its lifecycle in the workplace. That sharing of information may lead many to believe that copyright would not exist on the information contained within an SDS.

However, the reality of the commercial world of SDS authors and distribution companies results in copyright information being appended to the end of SDSs and litigation pursued between parties with a sole focus on their commercial interests.

As the situation currently stands, third-party SDS providers are legally entitled to distribute Safety Data Sheets to their clients as long as the original request for that product to be added to the database came from a person who

(a) "is likely to be affected by the hazardous chemical; and

(b) asks for the safety data sheet" [Model

Work Health and Safety Regulations, pp 308].

In the meantime you can be sure that ChemAlert, who are both providers and authors of Safety Data Sheets, do not put copyright claims on authored SDSs (unless specifically requested by the Manufacturer).

For more information regarding the authoring of Safety Data Sheets, please click here or contact us on info@rmt.com.au.

Meet the team

In this section of our newsletter we will be progressively introducing you to the members of our team so that you can get to know the great people who help us deliver our world-class ChemAlert system and services.

Sonja Simpson
Scientific Advisor

Sonja began with the ChemAlert team in 2009 in the role of Scientific Advisor/Chemical Auditor.

Sonja holds two Bachelor of Science degrees in Molecular Biology and Biomedical Science, and uses this background to assist the scientific team in researching chemicals for the ChemAlert database.

Her role has evolved into SDS Co-ordinator, where she manages a team of SDS Administrators, to ensure that updated SDSs are sourced, and the ChemAlert database is kept up to date.

Sonja's highest priority is to ensure clients get accurate information to help them make the right decisions in terms of chemical safety management.

George Thatcher
Technical Writer

George joined the ChemAlert team in December 2012, and works exclusively on CA's documentation and eLearning. systems.

He is now into his 13th year of technical writing, having written for diverse environments including Federal Government, Healthcare, Manufacturing/Engineering plus many others.

Prior to RMT, George worked on Moneywell / Matrikon's 'Mine To Port' project for principal customer BMA (BHP Billiton Mitsubishi Alliance).

Previously, George ran his own publishing/contracting business, and has also been a rock music journalist for well over twenty years.

Sonja Simpson
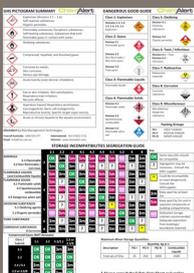**Scientific Advisor**

George Thatcher
Technical writer

"When you know better you do better."

- Maya Angelou

"Tell me and I forget, teach me and I may remember, involve me and I learn."

- Benjamin Franklin

ChemAlert DG/ GHS Pocket Guide — contact your Account Manager to request supply.

New Chemalert implementation and auditing tool

RMT has recently updated the way onsite chemical safety audits and implementations are conducted. Our team of experienced auditors now use a custom developed application on a smart device which has a bar-code scanner attached. The benefits to your business include:

Accurate and efficient onsite component

The use of manufacturer barcodes to add products to your stock inventory is more accurate than doing a manual search and entry.

New chemicals (not already on the ChemAlert database) are added as 'Custom Products' to your data and these can be automatically replaced in your database when the chemical is researched and added to the master database.

Timely database update

The new application integrates directly with our master database which means the auditor is using the most up to date information available.

Streamlined offsite component

The application allows the offsite component of a chemical safety audit or implementation to be carried out more accurately with minimal delays, e.g. the sourcing and addition of safety data sheets required for your database begins as soon as possible.

Ultimately, the new application allows RMT to offer attractive pricing for our chemical safety audits and implementations.

For more information on how we can complement your chemical management system, please contact your Account Manager.

- Tendai Mapondera, Chemical Safety Auditor

Alerts! module

ChemAlert v4.0 contains a new Alerts! tab in the product details screen, but only where an alert exists. Alerts! are entered by our scientific team as they review each chemical and Safety Data Sheet (SDS).

When our scientists review a chemical, they sometimes find the manufacturer's SDS does not conform to all the classification requirements of Australia. For example, Hazchem Code, Poison Schedules, or even GHS or Transport information may be missing or incorrect.

Now our scientific team can highlight those errors, changes, or areas of concern directly to the users of those chemicals, especially for products where the manufacturer refuses to acknowledge issues with their SDS.

Important note: We continue to try to work with all manufacturers to improve the overall quality of Safety Data Sheets.

Did you know? Ethanol (in alcoholic beverages) : Carcinogenic to humans

The International Agency for Research on Cancer (IARC) is an agency that forms part of the World Health Organisation (WHO) of the United Nations (UN).

Its primary responsibility is to research the causes of cancer. It studies a diverse subset of the population to obtain sufficient evidence into the carcinogenic risk to humans resulting from exposure to a variety of substances .

IARC maintains a series of monographs that identify and categorise these substances into 5 Groups; Group 1 (carcinogenic to humans), Group 2A (probably carcinogenic to humans), Groups 2B (possibly carcinogenic to humans), Group 3 (not classifiable as to carcinogenicity in humans) and Group 4 (probably not carcinogenic to humans).

In 2012 IARC updated the classification of alcoholic beverages to IARC Group 1 alongside precarious chemicals such as Benzene, Formaldehyde, Polychlorinated biphenyls and Radium-224 .

Many people look at the IARC group descriptors and mistakenly interpret the classifications as a risk probability scale. However this grouping of chemicals clearly highlights that IARC Group 1 does not relate to the likelihood of a person developing cancer but instead whether sufficient evidence exists that the substance has the potential to cause cancer.

It is imperative to recognize the overall and rationale for each evaluation. This can be reviewed in the many monographs and supplements available from the IARC website:

(http://monographs.iarc.fr).

- Kamila Scutti, Scientific Services Advisor

"*Progress always involves risks. You can't steal second base and keep your foot on first.*"

- Frederick Wilcox

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ChemAlert Data Centre

Our ChemAlert Data Centre in Sydney is on the move!

Due to the number of outages caused by factors outside our control, the decision has been made to move to a new Data Centre 'Global Switch'.

This new Data Centre gives us greater control over the server environments whilst maintaining world-class security and data reliability, including a failover Data Centre in Perth.

If you want reliable access to your ChemAlert data, whilst minimizing internal IT costs (installation, maintenance, disaster recovery plans, backups, upgrades, etc), talk to your Account Manager on +61 (0)8 9322 1711 or email info@rmt.com.au about how easy it is to migrate your data to a SaaS (hosted) solution.

AIOH Conference

ChemAlert will again be exhibiting at the 21st annual Australian Institute of Occupational Hygienists (AIOH) conference & exhibition on the **30th Nov—4th Dec 2013 at the Hilton Sydney Hotel.**

This conference comes highly recommended by the team at ChemAlert with detailed lectures providing valuable content.

For more information, visit

http://www.aioh.org.au/conference.aspx.

Safety in Action Event

ChemAlert will be present on the **19th and 20th March 2014 at the Darwin Convention Centre.**

This will be a great opportunity to learn from industry experts thanks to the seminar sessions. It is the perfect place to get up to date on the latest industry improvements.

Check the website now:

http://www.safetyinaction.net.au/darwin/index.html

The final word

After almost fourteen years of service with ChemAlert, I can say with honesty and confidence that there has never been a more exciting time in the history of ChemAlert.

The plans currently on the design table that revolve around better communication, community, partnership, portability, accessibility and transparency genuinely excite me. They have gone from being 'buzz words' to real possibilities with a fantastic foundation that is ChemAlert version 4.0.

As we roll the new framework throughout the application over the coming releases, it gives us an opportunity to take each module back to the drawing board and look at the base purpose of that module, and then start layering creative ideas with the purpose of making our client's life easier and more efficient through simple but powerful processes.

The foundation of the new framework in version 4.0 is just the tip of the iceberg. Version 4.1 will see the Stock module being rebuilt from the ground up, followed by Risk and Request in subsequent releases. It is envisaged that Stock will allow site searching, auditing, configurable limits on storage quantities by criteria (e.g. DG Class), functionality around hardcopy SDS registers, and much more.

However, the most important functionality that will be added is the functionality that you (our clients) request. We desperately need feedback on all aspects of the new framework to make sure we deliver what is of most value to all our clients.

We need feedback on what you would love to see in ChemAlert. As we dream big, we need all our clients to dream big too so that the ChemAlert v4.x series of releases are the ones that redefine the world of Chemical Management as we know it.

Start dreaming big!

- Brad Cobb, Business Analyst