



## BRIEFING NOTES

### CHEMGOLD III MASSIVELY AHEAD ON POINTS

#### Introducing the new Chemwatch Applications, ChemGold III (CG3), ChemFFX and BackPack

New features not available in CG2 are now available in the new CG3 suite

- We have deliberately used the term "suite" here. Chemwatch now is three packages in one because varying User skill levels must be addressed. Each differs from the other by the addition of a "skin". Some skins reveal more functionality, others less. LogIn Passwords identify the appropriate skin for a particular User. Administration of this can be controlled by you using new Admin tools.

New applications associated with the most "complex" of these skins (CG3) include those listed below; some of these applications are also associated with the other skins.

#### Enhancements and new applications include:

- Email facilities, from within the package, have been enhanced. You can send any MSDS, mini-MSDS, label etc, or any combination of these, through a single email to one or many stakeholders within the organisation. Additional intra-organisation request and alerts are allowed
- Saving these documents, or groups of documents, to the desktop has now been enabled
- Saving these groups of documents to an "In-tray", viewable from within the package has now been enabled
- New securities options are now available; individuals within the organisation can be assigned many more rights. In addition to Read/ Write responsibilities, individuals can be associated with certain sites or stores within the site(s). The dates of association with Sites/ Stores can also be identified.

#### This then means we can now produce a history of chemicals' exposure for each individual.

- Individuals' rights (and responsibilities) are now identified from the LogIn password, automatically.

#### Manifest functionalities have undergone a complete rebuild:

- The Sites/ Stores are now organised in a Tree structure; any number of levels can be identified; for example the third shelf in the cupboard in the laboratory of the First Floor of a Building in Nowra, Czechoslovakia (6 levels).
- Users are now able to move or copy materials between sites. Whole stores can be relocated using a single command; alternately single chemicals or groups of chemicals can be relocated.
- Stores containing Carcinogens, Reprotoxins, Sensitisers, Peroxide Formers (as just a few examples drawn from large list) can now be identified using a single lookup function.
- Each Category of Dangerous Good can, similarly, be located within any store.
- A new POSTER presentation allows a different style of Stores Placard; in the past Dangerous Goods placards were emphasised. Now, **Hazardous Substance Placards** can be produced (Identifying for example where Carcinogens are to be found in any building or room).
- The contents in any store can now sorted by any of the following:
  1. Alphabetically by Product Name,
  2. By Product Vendor Name,
  3. DG Class,
  4. Packing Group,
  5. SubRisk,
  6. Average and Maximum Volume(s) held,
  7. Overall hazard rating (using a new colour coded classification).



- MSDS drawn from our Collection of 6 million MSDS can now be added to any store, and Users, with adequate rights, can extract data from these directly to the store. This is largely an automated process.
- A new module called "**Folder**" has been created. This is different to the Manifest module. In "Manifest" a User associates Volumes with each Product (to produce Placards for example). Folders, by contrast, associate Vendor Documents with the product (some products may be supplied by more than one Vendor). In common with Manifest, documents, or groups of documents, may be moved or copied between various Folders. In addition the entire contents of individual Folders can be relocated to other Folders.
- Where a Vendor MSDS is older than 5-years (in most cases this should not be so), a new yellow balloon appears next to the name of the product; clicking on this balloon produces a "pop-up" detailing the results of correspondence and emails exchanged between Chemwatch and the Vendor. Where a new MSDS cannot be supplied, there is a reason expressing the Vendors' point of view.
- New Tracking facilities allow Users to identify the whereabouts of all documents or materials.
- "In-Trays" now enable you to create portfolios of documents which might be of interest to a section of the organisation. Some organisations prefer printed documents on file; Once you have identified documents of interest, you can produce the most recent updates of all of these with a single command. Documents such as MSD, Label(s) Lists of Dangerous Goods etc. may be identified with a single In-Tray.
- Deleted substances or stores no longer are lost from the permanent record. They can be easily revisited using a new function. The date of deletion is now identified thus ensuring that an entire employee exposure history can be recreated.

**Risk Assessments (RAs)** are now available in two flavours:

- Task-based Assessments follow the precepts of the UK COSSH Essentials through their recent reincarnation as the ILO **Control Banding Package**. This is now mandated in the UK, Germany, Holland, Japan, and Korea. We expect to see some movement in Australia in the next 3 years.
- Work-placed Based Assessments, our traditional RA, has now been enhanced to identify severity of Risks using a new colour-coded scheme. In addition, these may be copied or moved between stores.

**Chemwatcher** (the Chemwatch Project Management tool) is now available throughout all applications and provides a link to our main office. Chemwatcher records each request for an MSDS made by you and each activity, involving us, with respect to the acquisition of an MSDS or the creation of a review document. A separate database, solely created in your name, resides on our main Server; you can enter this database to see all activities conducted on your behalf (presently or historically). Chemwatcher also produces automated reports delivered to you weekly or quarterly (your choice) by email; these include:

PTN reports being:

1. Stage 1 Notification of registration of your interest in MSDS(s)
2. Stage 2 Notification that all MSDS have been acquired from Vendors
3. Stage 3 Notification that Chemwatch Review MSDS have been created

Our QA system requires that the **Chemwatch Audit Team** becomes aware when a Project is not completed in a timely fashion.

Other Reports include:

- Update notifications of a Vendor MSDS
- Word comparisons between old and new MSDS
- Ingredient Alerts; your organisation buys products containing several ingredients; each of these ingredients are identified in Chemwatcher. When the status of these change in any International Regulatory List you are notified.
- Reclassifications: When a material becomes Hazardous under new classification rules, you are informed by email

**Classification** and support tools and databases

- Despite the common assumption that there is general agreement amongst Vendors relating to the assessment of hazards associated with their products, this now appears far from true. Recently we conducted an audit of more than 100,000 materials each produced by more than one Vendor. In around 65-70% of cases they disagreed. There was also disagreement on Dangerous Goods classifications in more than 50% of cases.
- Three governments have now classified substances according to new GHS requirement. These are deemed to be "official classifications" In no case were we able to see more than 10% agreement between governments classifying the same substance.

**Vendor and government classification data is now available within the package and is used to highlight why we sometimes take a more stringent position than certain Vendors (when it comes to classification).**

- In addition all of our other raw data is available within the package. This data includes the results of human and animal toxicity testing, ecotoxicity and environmental fate. The MSDS has moved in a different direction; it used to serve as an employee tool but now emphasises Public Health issues more than ever before. This has been driven from Europe where so-called and recent REACH Legislation insists on treating every chemical as a new chemical (even though it might have been on the market for 100 years).
- All Vendors are now expected to report on up to 100 parameters associated with any substance. The task started in December 2008 and is ongoing. Results flow daily and our Regulatory team captures these and reports them in G3. As a result substance classifications are being overhauled almost daily.

- Such an overhaul impacts on Risk Assessments and manifesting requirements; therefore they are reflected, seamlessly, within these modules in almost real time. Your hands-on control is not required. **Ours is!!**

**Regulation:**

Surprisingly some substances appearing in commercially available products, within Australia, have not been registered for use here. NICNAS produces the Australian Inventory (AICS) which identifies registered substances. The Regulatory package within CG3 identifies products containing substances which may not be used in Australia; In addition, State Regulatory Lists (and International Regulatory Lists) place additional control on the use, abuse and release of substances (whether they appear by themselves or in mixtures). These are now available in CG3 and may have impact on such issues as waste disposal.

**WikiWatch:**

As more disciplines become involved in the creation of an MSDS or in the evaluation of Risks, so does the language change. A new online dictionary, WikiWatch covers around 250,000 of these terms.

**WebWiser:**

The Emergency Response Services in the US have created a comprehensive response scheme for incidents involving chemicals. This has now been cross-referenced against substances in Chemwatch databases and is now available in its entirety.

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