

HUMAN HEALTH

ENVIRONMENTAL HEALTH

ChemBioOffice v14

Release Notes

Last Updated: April 25, 2014



Table of Contents

1	GENERAL DESCRIPTION	3
2	DISTRIBUTION LIMITATIONS	3
3	RELEASE QUALIFICATION	3
3.1	SCOPE OF TESTING	3
3.2	TESTING ENVIRONMENT.....	4
4	INSTALLATION INSTRUCTIONS	4
4.1	PREREQUISITES AND SYSTEM REQUIREMENTS	4
4.2	RELEASE INSTALLATION.....	5
4.3	MANIFEST	5
5	KEY CAPABILITIES	10
6	KNOWN ISSUES, LIMITATIONS AND WORKAROUNDS	10
7	TECHNICAL SUPPORT	11

1 General Description

ChemBioOffice® 14 is the latest release of the ChemBioOffice suite of personal productivity tools for chemists and biologists. ChemBioOffice helps scientists efficiently capture and share their work, visualize and gain a deeper understanding of their results, and correlate biological activity and other properties with chemical structures.

This release adds the ability to search the SciFinder® database from Chemical Abstracts Service directly from ChemBioDraw Ultra.

The release is qualified against the following:

- Windows 8.1
- Microsoft Office 2013
- MacOS 10.9 (Mavericks)
- Adobe Acrobat 11

All components of ChemBioOffice which can create molfiles now support v3000 and v2000 molfiles.

2 Distribution Limitations

N/A

3 Release Qualification

3.1 Scope of Testing

For the ChemBioOffice 14.0 release, the following testing conditions have been set and executed:

- **Installations:**
 - Default mode
 - Custom mode
 - Side-by-Side compatibility modes
- **New Features:**
 - Search SciFinder feature in ChemBioDraw
 - Import/Export support for MOL/SDF/RXN/RDF v3000 files across ChemBioOffice applications
 - ChemDraw ActiveX Enterprise Constant 14.0 compatibility with Desktop E-Notebook 13.0
 - Online Search links for Mobile Apps and Spotfire
 - Copy Structures to MS Word As options in ChemDraw for Excel
 - C3XML synchronization between Desktop and Mobile version of Chem3D
 - Copy and Paste Structures from ChemBioDraw as CDXML text
 - Copy and Paste Structures from ChemBioDraw as MOL text
- **Third Party Compatibility:**
 - *Operating Systems:* Windows 8.1, Windows 7, and Mac OS X 10.9.2 (Mavericks)
 - *MS Office:* 2013 with SP1, 2010, and 2011
 - *Browsers for ActiveX/Plugins:* Internet Explorer 11, 10, and 9, Firefox 28, Chrome 33, and Safari7
 - *Calculation Engines for ChemBio3D:* Gaussian 09 Revision-C.01, Mopac 2009, Conflex 6.8.9, Autodock 4.2.3, MGL Tools 1.5.4 (for Autodock), msroll.exe (Archaic), and CS GAMESS 09
 - *Python for ChemScript:* 3.2 and 2.5
 - *Visual C# for ChemScript:* 2010, 2008, and 2005
- **Regression Testing:**
 - One round of full-feature regression testing with ChemBioOffice Ultra and ChemBioDraw Ultra packages on Windows 8.1 (32-bit) and Mavericks systems, respectively
 - Verification of issue fixes and regression testing of related features
- **Backward & Forward Compatibility:**
 - Testing with files created using current and past versions of ChemBioOffice applications

- **Japanese Localization:**
 - Detailed testing on Windows 8.1 and Mac OS X 10.9.2 (Mavericks)
- **Release Candidate Qualification Testing:**
 - Digital signature verifications
 - Sanity/Smoke test executions with all packages in mixed environments
 - SciStore download tests
 - Master DVD qualifications

3.2 Testing Environment

The following table details the testing environments for ChemBioOffice v14:

Machine Type	Operating System	Database Version	MSoftware Version	Browser	Adobe Version	IIS
Client	Windows 8.1 Professional 32-bit	N/A	2010, 2013 SP1	IE11, Firefox 28, Chrome33	Acrobat 11	N/A
Client	Windows 8.1 Professional 64-bit	N/A	2010 (32-bit), 2013 (32-bit) SP1	IE11, Firefox 28, Chrome33	Acrobat 11	N/A
Client	Windows 7 Professional 32-bit	N/A	2010, 2013 SP1	IE9, IE10, IE11, Firefox 28, Chrome33	Acrobat 11	N/A
Client	Windows 7 Professional 64-bit	N/A	2010 (32-bit), 2013 (32-bit) SP1	IE9, IE10, IE11, Firefox 28, Chrome33	Acrobat 11	N/A
Client	Mac OS X 10.9 (Mavericks)	N/A	2011 (14.3.9)	Safari7.0.2, Firefox 28, Chrome33	Acrobat 11	N/A

4 Installation Instructions

4.1 Prerequisites and System Requirements

For information about system requirements please refer to the *DT-14 Hardware Software Guide* (part of this release package).

4.2 Release Installation

Please note the following when installing ChemBioOffice v14:

- For a clean installation, we recommend running the install.exe as an administrator
- Side-by-side installations of Desktop 12.0.x and 14.0 packages are possible
- Side-by-side installations of Desktop 13.0.x and 14.0 packages are not possible
 - Note:** You must uninstall the major 13.0.x contents, except Database Management Applications, before installing 14.0.
- Desktop E-Notebook 13.0.x works fine using ChemDraw ActiveX Enterprise Constant 14.0

4.3 Manifest

The Desktop v14.0 release includes the following SKUs and components:

- **ChemBioOffice Ultra**
 - *** DVD navigation**
 - autorun.inf
 - ChemBioOfficeUltra140.cdd
 - ChemBioOfficeUltra140.exe
 - CO.ico
 - lua5.1.dll
 - lua51.dll
 - autorun\dat01\ap*.dat * = (1-68)
 - autorun\icons\CO.ico
 - *** Installation**
 - Windows\activationhelp.html
 - Windows\Install.exe
 - Windows\install.ini
 - Windows\MSCOMCTL.OCX
 - Windows\QProGIF.ocx
 - Windows\registerproduct.html
 - Windows\registerproductemail.html
 - Windows\registerproductfax.html
 - Windows\registerredirect.html
 - Windows\Cambridgesoft\Activation\Activate.exe
 - Windows\Cambridgesoft\Activation\Activate.exe.config
 - Windows\Cambridgesoft\ChemOffice\CambridgeSoft_ChemDraw_ActiveX_Enterprise_Constant_14.0.msi
 - Windows\Cambridgesoft\ChemOffice\CambridgeSoft_Desktop_2014.msi
 - Windows\Cambridgesoft\ChemScript\CambridgeSoft_ChemScript_14.0.msi
 - Windows\Cambridgesoft\Inventory\Common\DLLs\MolServer13.dll
 - Windows\ThirdParty\Microsoft\KB2538243\vccredist_x86.exe
 - Windows\ThirdParty\Microsoft\WinInstaller4.5\Windows6.0-KB942288-v2-x64.msu
 - Windows\ThirdParty\Microsoft\WinInstaller4.5\Windows6.0-KB942288-v2-x86.msu
 - Windows\ThirdParty\Microsoft\WinInstaller4.5\WindowsServer2003-KB942288-v4-x64.exe
 - Windows\ThirdParty\Microsoft\WinInstaller4.5\WindowsServer2003-KB942288-v4-x86.exe
 - Windows\ThirdParty\Microsoft\WinInstaller4.5\WindowsXP-KB942288-v3-x86.exe
 - Windows\ThirdParty\MNova\defaults.ini
 - Windows\ThirdParty\MNova\MNovaNMRLite.exe
 - Windows\ThirdParty\NETInstaller\dotNetFx40_Full_x86_x64.exe
 - Windows\ThirdParty\Python\python-3.2.2.msi
 - Windows\ThirdParty\PythonExt\pywin32-217.win32-py3.2.exe
 - Windows_images\progress.gif
 - *Docs\ChemBioOffice v14 Release Notes.pdf* (This document)
 - *Docs\DT-14 Hardware Software Guide.pdf*

- **ChemBioDraw Ultra (Win/Mac)**

- *** DVD navigation**
 - autorun.inf
 - ChemBioDrawUltra140.cdd
 - ChemBioDrawUltra140.exe
 - CD.ico
 - lua5.1.dll
 - lua51.dll
 - autorun\dat01\ap*.dat * = (1-73)
 - autorun\icons\CO.ico
- *** Installation**
 - Windows\activationhelp.html
 - Windows\Install.exe
 - Windows\install.ini
 - Windows\MSCOMCTL.OCX
 - Windows\QProGIF.ocx
 - Windows\registerproduct.html
 - Windows\registerproductemail.html
 - Windows\registerproductfax.html
 - Windows\registerredirect.html
 - Windows\Cambridgesoft\Activation\Activate.exe
 - Windows\Cambridgesoft\Activation\Activate.exe.config
 - Windows\Cambridgesoft\ChemOffice\CambridgeSoft_ChemBioDraw_Ultra_14.0.msi
 - Windows\ThirdParty\Microsoft\KB2538243\vcredist_x86.exe
 - Windows\ThirdParty\MNova\defaults.ini
 - Windows\ThirdParty\MNova\MNovaNMRLite.exe
 - Windows\ThirdParty\NETInstaller\dotNetFx40_Full_x86_x64.exe
 - Windows_images\progress.gif
- *Docs\ChemBioOffice v14 Release Notes.pdf* (This document)
- *Docs\DT-14 Hardware Software Guide.pdf*

- **ChemDraw Pro (Win/Mac)**

- *** DVD navigation**
 - autorun.inf
 - ChemDrawPro140.cdd
 - ChemDrawPro140.exe
 - CD.ico
 - lua5.1.dll
 - lua51.dll
 - autorun\dat01\ap*.dat * = (1-75)
 - autorun\icons\CD.ico
- *** Installation**
 - Windows\activationhelp.html
 - Windows\Install.exe
 - Windows\install.ini
 - Windows\MSCOMCTL.OCX
 - Windows\QProGIF.ocx
 - Windows\registerproduct.html
 - Windows\registerproductemail.html
 - Windows\registerproductfax.html
 - Windows\registerredirect.html
 - Windows\Cambridgesoft\Activation\Activate.exe
 - Windows\Cambridgesoft\Activation\Activate.exe.config
 - Windows\Cambridgesoft\ChemOffice\CambridgeSoft_ChemDraw_Pro_14.0.msi
 - Windows\ThirdParty\Microsoft\KB2538243\vcredist_x86.exe
 - Windows\ThirdParty\NETInstaller\dotNetFx40_Full_x86_x64.exe
 - Windows_images\progress.gif

- *Docs\ChemBioOffice v14 Release Notes.pdf* (This document)
- *Docs\DT-14 Hardware Software Guide.pdf*

- **ChemDraw Std (Win/Mac)**

- *** DVD navigation**
 - autorun.inf
 - ChemDrawStd140.cdd
 - ChemDrawStd140.exe
 - CD.ico
 - lua5.1.dll
 - lua51.dll
 - autorun\dat01\ap*.dat * = (1-75)
 - autorun\icons\CD.ico
- *** Installation**
 - Windows\activationhelp.html
 - Windows\Install.exe
 - Windows\install.ini
 - Windows\MSCOMCTL.OCX
 - Windows\QProGIF.ocx
 - Windows\registerproduct.html
 - Windows\registerproductemail.html
 - Windows\registerproductfax.html
 - Windows\registerredirect.html
 - Windows\Cambridgesoft\Activation\Activate.exe
 - Windows\Cambridgesoft\Activation\Activate.exe.config
 - Windows\Cambridgesoft\ChemOffice\CambridgeSoft_ChemDraw_Std_14.0.msi
 - Windows\ThirdParty\Microsoft\KB2538243\vcredist_x86.exe
 - Windows\ThirdParty\NETInstaller\dotNetFx40_Full_x86_x64.exe
 - Windows_images\progress.gif
- *Docs\ChemBioOffice v14 Release Notes.pdf* (This document)
- *Docs\DT-14 Hardware Software Guide.pdf*

- **ChemBio3D Ultra**

- *** DVD navigation**
 - autorun.inf
 - ChemBio3DUltra140.cdd
 - ChemBio3DUltra140.exe
 - 3D.ico
 - lua5.1.dll
 - lua51.dll
 - autorun\dat01\ap*.dat * = (1-70)
 - autorun\icons\3D.ico
- *** Installation**
 - Windows\activationhelp.html
 - Windows\Install.exe
 - Windows\install.ini
 - Windows\MSCOMCTL.OCX
 - Windows\QProGIF.ocx
 - Windows\registerproduct.html
 - Windows\registerproductemail.html
 - Windows\registerproductfax.html
 - Windows\registerredirect.html
 - Windows\Cambridgesoft\Activation\Activate.exe
 - Windows\Cambridgesoft\Activation\Activate.exe.config
 - Windows\Cambridgesoft\ChemOffice\CambridgeSoft_ChemBio3D_Ultra_14.0.msi
 - Windows\Cambridgesoft\ChemScript\CambridgeSoft_ChemScript_14.0.msi
 - Windows\ThirdParty\Microsoft\KB2538243\vcredist_x86.exe

- Windows\ThirdParty\NETInstaller\dotNetFx40_Full_x86_x64.exe
 - Windows\ThirdParty\Python\python-3.2.2.msi
 - Windows\ThirdParty\PythonExt\pywin32-217.win32-py3.2.exe
 - Windows_images\progress.gif
- Docs\ChemBioOffice v14 Release Notes.pdf (This document)
- Docs\DT-14 Hardware Software Guide.pdf

- **ChemOffice Std**
 - *** DVD navigation**
 - autorun.inf
 - ChemOfficeStd140.cdd
 - ChemOfficeStd140.exe
 - CO.ico
 - lua5.1.dll
 - lua51.dll
 - autorun\dat01\ap*.dat * = (1-71)
 - autorun\lcons\CO.ico
 - *** Installation**
 - Windows\activationhelp.html
 - Windows\Install.exe
 - Windows\install.ini
 - Windows\MSCOMCTL.OCX
 - Windows\QProGIF.ocx
 - Windows\registerproduct.html
 - Windows\registerproductemail.html
 - Windows\registerproductfax.html
 - Windows\registerredirect.html
 - Windows\Cambridgesoft\Activation\Activate.exe
 - Windows\Cambridgesoft\Activation\Activate.exe.config
 - Windows\Cambridgesoft\ChemOffice\CambridgeSoft_ChemOffice_Std_2014.msi
 - Windows\ThirdParty\Microsoft\KB2538243\vc redistrib_x86.exe
 - Windows\ThirdParty\MNOVA\defaults.ini
 - Windows_images\progress.gif
 - Docs\ChemBioOffice v14 Release Notes.pdf (This document)
 - Docs\DT-14 Hardware Software Guide.pdf

- **ChemScript Ultra**
 - *** DVD navigation**
 - autorun.inf
 - ChemScriptUltra140.cdd
 - ChemScriptUltra140.exe
 - CS.ico
 - lua5.1.dll
 - lua51.dll
 - autorun\dat01\ap*.dat * = (1-73)
 - autorun\lcons\CS.ico
 - *** Installation**
 - Windows\activationhelp.html
 - Windows\Install.exe
 - Windows\install.ini
 - Windows\MSCOMCTL.OCX
 - Windows\QProGIF.ocx
 - Windows\registerproduct.html
 - Windows\registerproductemail.html
 - Windows\registerproductfax.html
 - Windows\registerredirect.html

- Windows\Cambridgesoft\Activation\Activate.exe
 - Windows\Cambridgesoft\Activation\Activate.exe.config
 - Windows\Cambridgesoft\ChemScript\CambridgeSoft_ChemScript_14.0.msi
 - Windows\ThirdParty\Microsoft\KB2538243\vc redistrib_x86.exe
 - Windows\ThirdParty\NETInstaller\dotNetFx40_Full_x86_x64.exe
 - Windows\ThirdParty\Python\python-3.2.2.msi
 - Windows\ThirdParty\PythonExt\pywin32-217.win32-py3.2.exe
 - Windows_images\progress.gif
 - Docs\ChemBioOffice v14 Release Notes.pdf (This document)
 - Docs\DT-14 Hardware Software Guide.pdf
- **ChemDraw Plugin Pro (Win/Mac)**
 - * **Installation**
 - activationhelp.html
 - install.exe
 - install.ini
 - MSCOMCTL.OCX
 - QProGIF.ocx
 - registerproduct.html
 - registerproductemail.html
 - registerproductfax.html
 - registerredirect.html
 - RICHTX32.OCX
 - Cambridgesoft\Activation\Activate.exe
 - Cambridgesoft\Activation\Activate.exe.config
 - Cambridgesoft\ChemOffice\CambridgeSoft_ChemDraw_Plugin_Pro_14.0.msi
 - ThirdParty\Microsoft\KB2538243\vc redistrib_x86.exe
 - ThirdParty\NETInstaller\dotNetFx40_Full_x86_x64.exe
 - _images\progress.gif
 - Docs\ChemBioOffice v14 Release Notes.pdf (This document)
 - Docs\DT-14 Hardware Software Guide.pdf
- **ChemDraw Active-X Ent Const (admin/non-admin)**
 - * **Installation**
 - CambridgeSoft_ChemDraw_ActiveX_Enterprise_Constant_14.0.msi
 - Install.exe
 - install.ini
 - MSCOMCTL.OCX
 - QProGIF.ocx
 - RICHTX32.OCX
 - ThirdParty\Microsoft\KB2538243\vc redistrib_x86.exe
 - ThirdParty\Microsoft\NETInstaller\dotNetFx40_Full_x86_x64.exe
 - _images\progress.gif
 - Docs\ChemBioOffice v14 Release Notes.pdf (This document)
 - Docs\DT-14 Hardware Software Guide.pdf
- **CDAX Ent Const NonAdmin**
 - * **Installation**
 - CambridgeSoft_ChemDraw_ActiveX_Enterprise_Constant_NA_14.0.msi

5 Key Capabilities

N/A

6 Known Issues, Limitations and Workarounds

The following list describes the known issues, limitations, and workarounds for Desktop v14:

- Structures are pasted as black image boxes when copied/pasted from iWorks13 applications
- Cannot embed Chem3D models in MS PowerPoint 2010 and 2013
- The Search SciFinder feature may not provide accurate results for the following query types:
 - Query bond types 'Any', 'S/A', 'D/A', and 'S/D'
 - Stereo bond types: Dashed, Hashed, Bold, Hollow Wedged, and Wavy
 - Multiple bond types: Quadruple, Dative, Tautomeric (Dashed Double), Aromatic (Double Dashed Double), and Double Either
 - Resonance delocalized ring forms
 - Chemical Symbols Radical, Lone Pair, Radical Cation, and Radical Anion
 - Isotopic labels
 - Multiple Group Bracket Repeat Patterns 'Either/Unknown' and 'Head-To-Head'
 - Multiple Group Brackets crossing multiple bonds or no bonds of the query structure
 - Nested bracketed groups
 - Anonymous alternative group labels with more than (1) non-H atoms
 - Generic atom labels for Exact Search
- ChemDraw For Excel > ChemOffice14 context menu is disabled: When you right-click on a chemical name within a new ChemOffice MS Excel worksheet (Microsoft Excel 2013, 32 bit), and you select ChemOffice14, the following options are disabled: Add, Smiles to Molecule, Inchi to Molecule, Select Table, Format as Formula, Properties, Edit, Show, and Hide. This issue is present in Windows 8.1, 64-bit; MSOffice 2013, 32-bit (VM,DQA185-SK).
 - For more information about this MSOffice 2013 issue, see:
<https://connect.microsoft.com/VisualStudio/feedback/details/813453/enabled-state-does-not-change-for-context-menu-items-of-excel-2013-add-in-created-with-c-net-and-visual-studio-2012>
- ChemScript14 does not work properly after installing ChemBioOffice Ultra on a Windows 8.1, 64-bit machine.
 - **Workaround:** Reboot your machine after installing ChemBioOffice Ultra on a Windows 8.1, 64-bit system. ChemScript should operate normally.
- With systems running Windows 8.1 (64 bit) and Visual Studio C# 2010 Express, the demo (Demo.csproj) might crash due to a possible error in the error in VS 2010 Express conversion process.
 - **Workaround:** Manually remove the "Demo.exe.config" file from the "C:\ProgramData\CambridgeSoft\ChemOffice2014\ChemScript\Examples\Demo". This will prevent this issue from recurring on systems with Visual C# 2010 Express.
- The Online Menu is missing or blank for the following applications in ChemBioOffice Ultra v13: ChemBioDraw, ChemBioFinder, and ChemBio3D, after installing ChemScript Ultra v14.
 - **Workaround:** Repair the CBOU 13.0.2 (CambridgeSoft_Desktop_2012.msi) via: Start > Control Panel > Programs and Features utility.

7 Technical Support

PerkinElmer Informatics Support supports this software. Please contact your Sales or Services representative for further information about ChemBioOffice v14.

www.perkinelmer.com/informatics/support

PerkinElmer Inc. | For the Better

HUMAN HEALTH | ENVIRONMENTAL HEALTH

940 Winter Street | Waltham, MA 02451