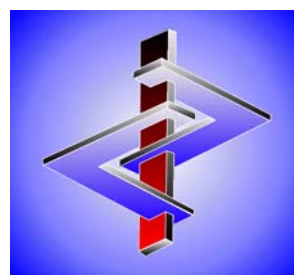

Manual

Information for the system administrator

By DR Software



Information for the system administrator

Assignment of access rights

1. Each user has to have the following rights in the program directory of ChemGes and all its sub-directories:

Reading, writing, deleting and altering (creation of files and directories)

If the data directory is not a subdirectory of the program directory, the above-described rights are required for the data- and the program directory. The allocation of additional access rights (e.g. administrator rights) is not necessary! Please take care of passed on rights (adopted from a parent directory).

2. Enable the registry branch HKEY_LOCAL_MACHINE / Software / Btrieve Technologies for write access. Other parts of the registry can be locked according to your requirements.

To enable this branch in the registry please perform the following steps:

1. Start *regedt32.exe* with administrator rights
2. Select HKEY_LOCAL_MACHINE
3. Select Security
4. Create a group or users, if necessary
5. Select the required rights

3. During the program flow ChemGes uses the temporary directory of Windows (...\\Temp). In some companies this directory is protected against user-access. To set another temporary directory please set the parameter **btrivetemp=directory**. The directory has to exist and to be enabled for the users. This parameter, as well as eventually others, has to be entered either as local parameters in the shortcut (icon properties), or as global parameters in the file **chemges.par** via a text editor (each parameter in a new line). Please take care that your editor (e.g. WordPad) does not extend the file name by adding ".txt". If required, you may have to rename it to *chemges.par*.

If you want to name the temporary directory e.g. **c:\\test**, please write **btrivetemp=c:/test**.

Hint: This parameter may cause problems, if you use **Terminal service**, or **Citrix**. It may happen, that only one user is authorized to access it.

4. ChemGes uses a file named **chemges.d01**. This file contains information on window positions, font sizes and default printers to be used by ChemGes. Usually this file is created in the local Windows directory. If the user has no access right to his local Windows directory, you can define the location, where this file shall be saved, by using the parameter **reminder=directory**.

The information in the file **chemges.d01** is stored for each user separately. ChemGes considers those persons as users, who have been assigned passwords. Therefore please avoid the use of group passwords, if you want to apply the file **chemges.d01** for shared use on a network drive.

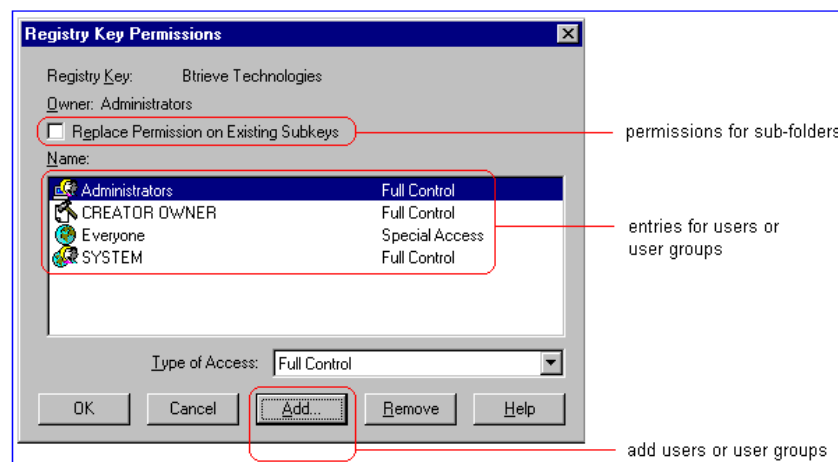
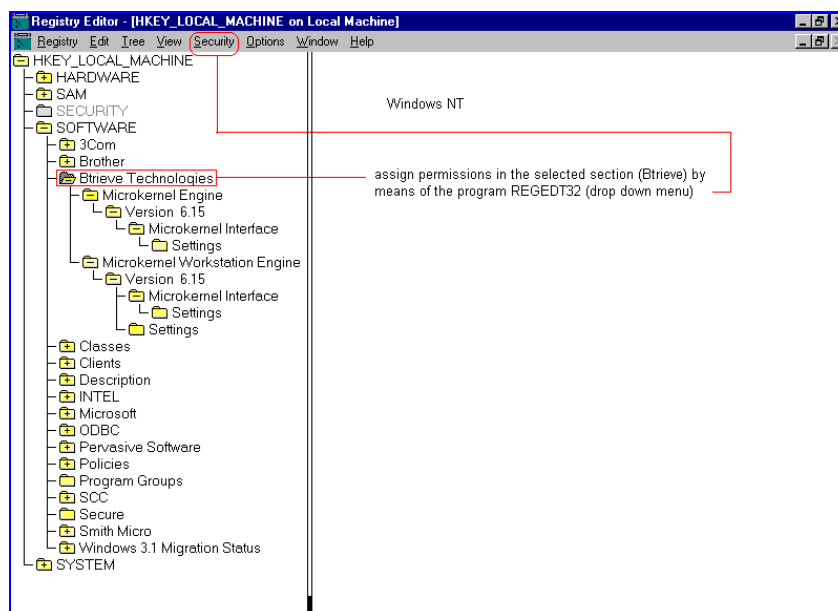
5. At the first program start ChemGes creates a program group named **ChemGes** and within this program group an icon called **ChemGes**. You

can deactivate this function by starting the program with the parameter **noicon**.

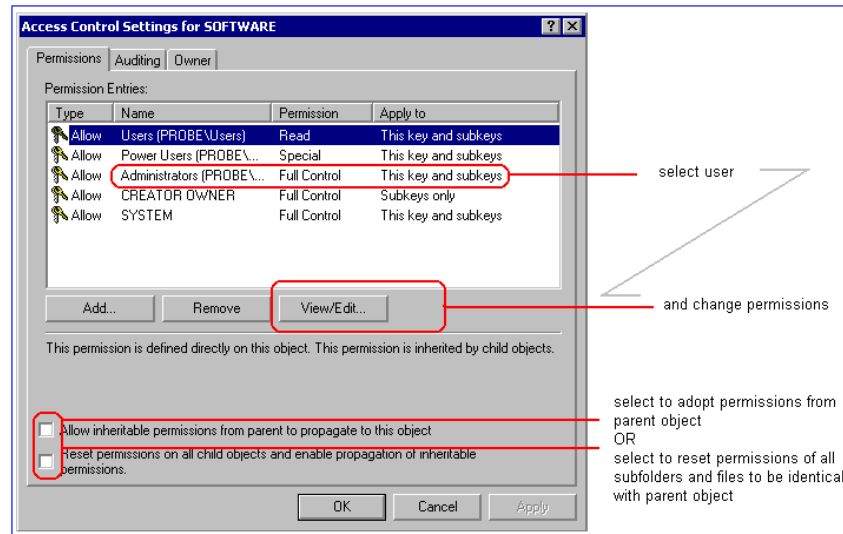
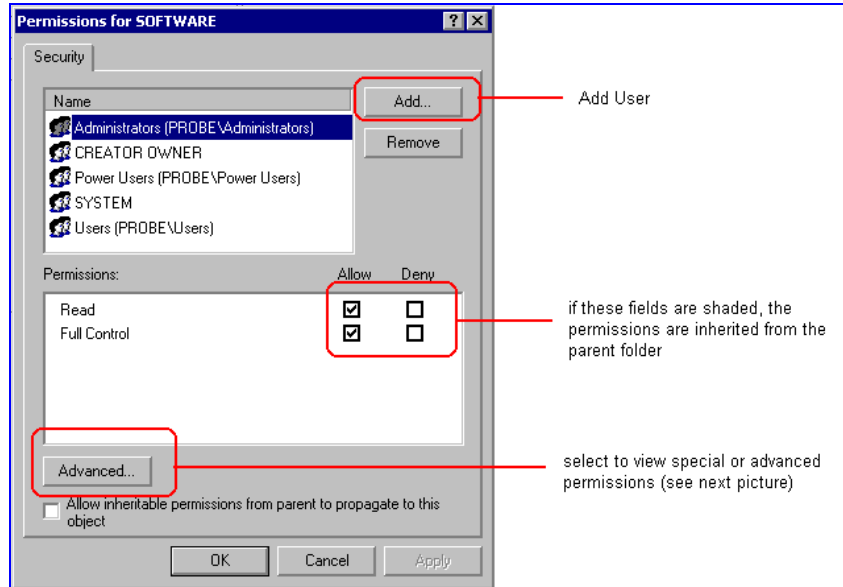
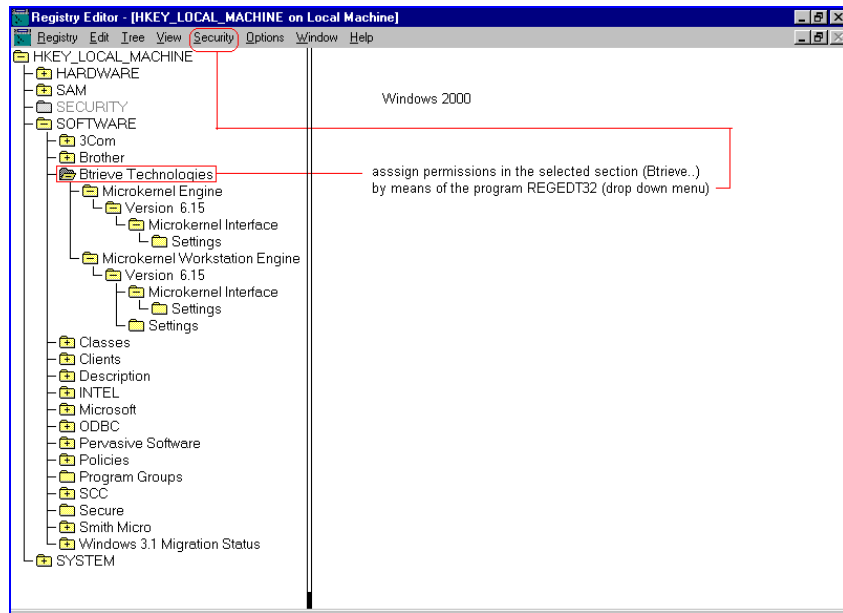
The following screenshots show the distribution of access rights within Windows NT 4.0 and Windows 2000.

If the key, shown below, is not available, start ChemGes with administrator rights, to allow the program to perform the required entries.

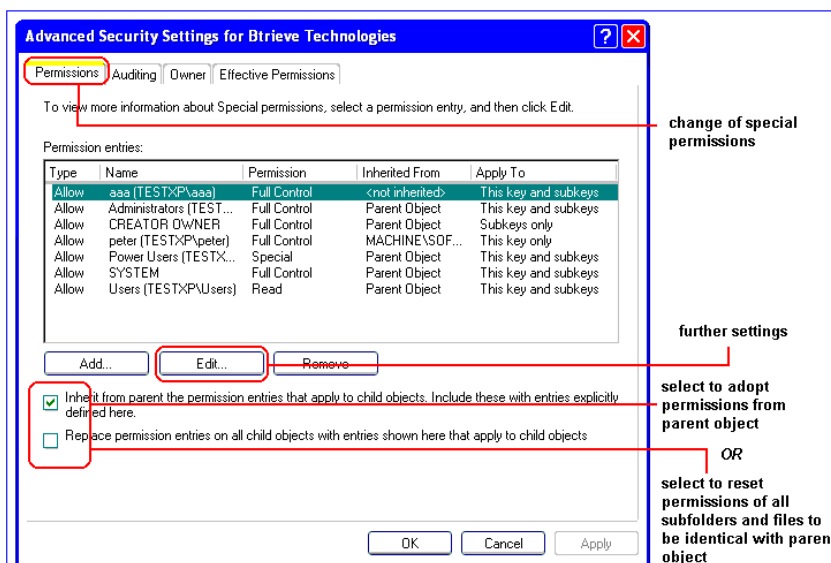
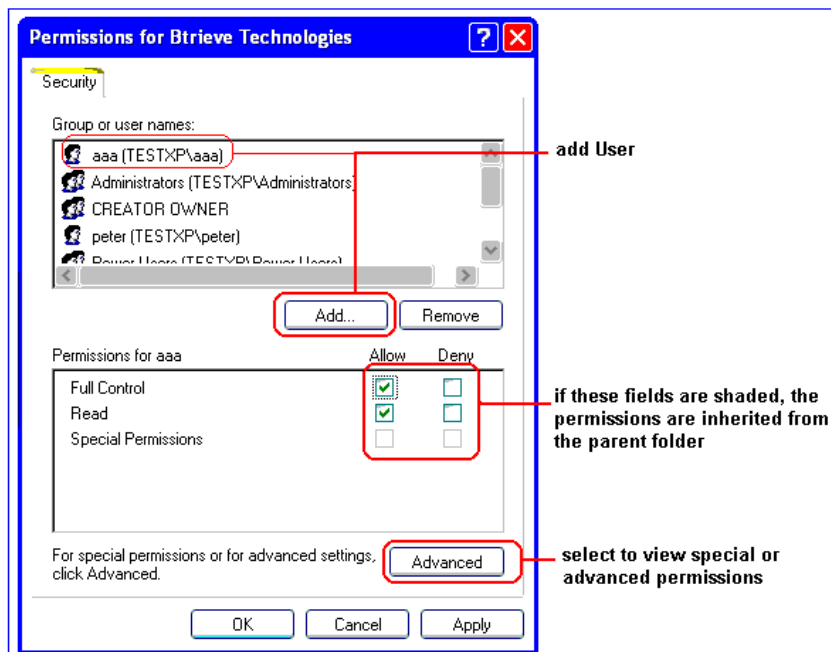
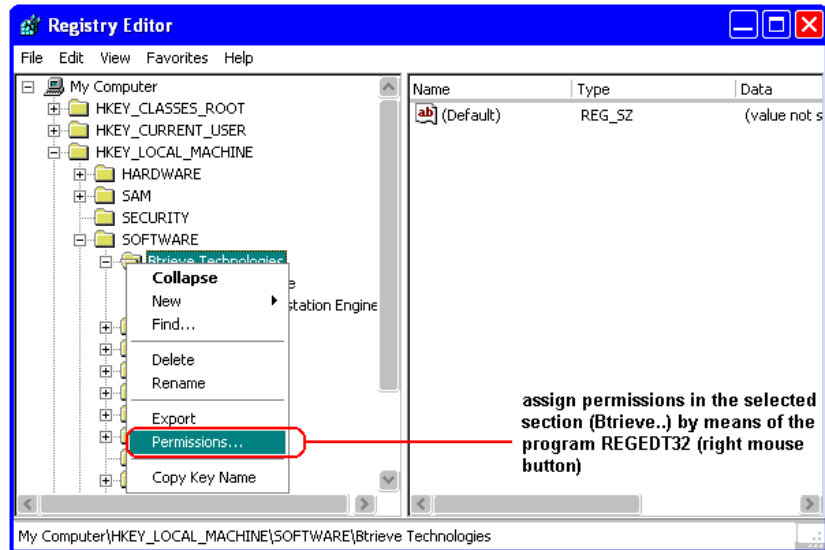
Windows NT:

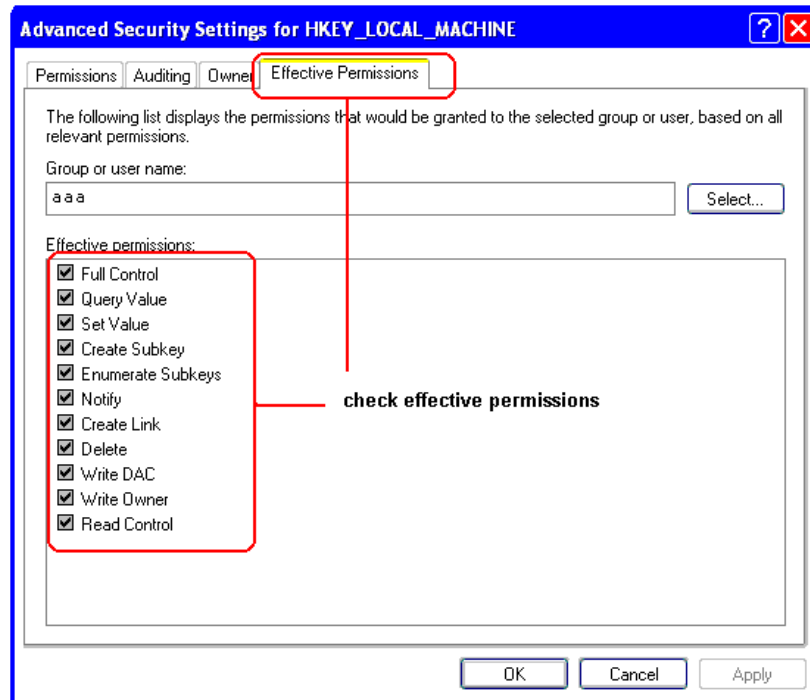


Windows 2000:



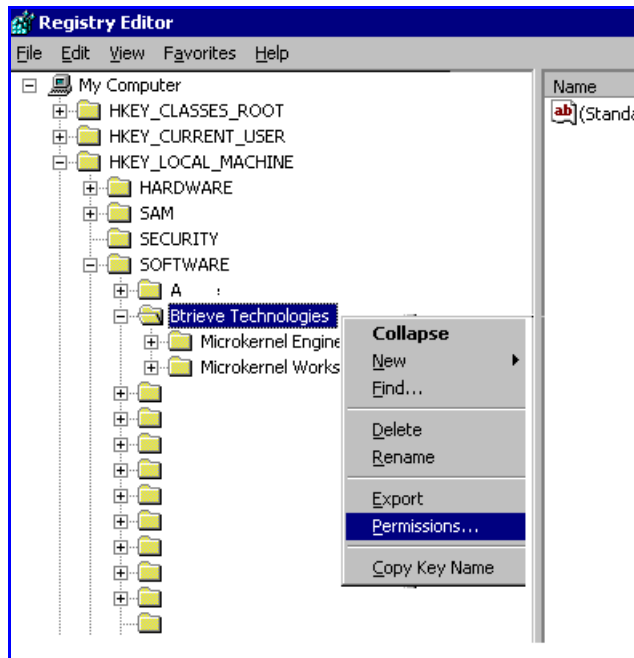
Windows XP:





Allocation of rights under the Windows 2003 Server:

To perform the settings for the user authorizations under Windows 2003 you can use the same procedure as for Windows 2000. There are only slight differences. You can activate either *regedit.exe*, or *regedit32.exe* and select the required option by right-clicking the mouse (see next picture).



Alterations for the Network version

Create a mapped drive (e.g. X). Alter the entries in the file "CHEMDAT" in order to adjust the paths in correspondence with the mapped drive. You may find the file in the master directory of ChemGes. Below find the entry after the installation, as well as an altered version of Chemdat for the network installation by using a mapped drive (e.g. X:\).

After the installation	For Network
[main] programs=c:\CHEM files=c:\CHEM\DATA symbols=c:\CHEM\SYMBOLS procedures=c:\CHEM drivers=c:\CHEM workdisk=C: floppy=A: language=ENG countrylanguage=ENG country=ENG decimal_character=, searchlanguage=ENG	[main] programs=X:\CHEM files=X:\CHEM\DATA symbols=X:\CHEM\SYMBOLS procedures=X:\CHEM drivers=X:\CHEM workdisk=C: floppy=A: language=ENG countrylanguage=ENG country=ENG decimal_character=, searchlanguage=ENG

You may also use UNC-paths.

Terminal Service www.microsoft.com

Working via Windows Terminal Service you must take into account, that the color resolution may be „faulty“. In this case colored bars are displayed above the buttons in the program. This effect results from the limited functionality of the protocol RDP, used with Terminal Service. RDP is not able to transfer a higher resolution than 256 colors. In this case please use the parameter "*colorbits=4*": enter the parameter in the file **chemges.par** in an extra line (as a global parameter), or in the icon properties (as a local parameter) (e.g. X:\GEF\chemges.exe colorbits=4).

To suppress windows of the program manager containing the ChemGes icon, which appears prior to the start of ChemGes, you may use the parameter *noicon*. The entry of the parameter has to be done either in the file *chemges.par*, or in the property/target path of the icon.

Please do not forget to insert the appropriate permissions for the Terminal User in the registry.

Clients with the OS Win 95/98/ME require their own TSCAL (Terminal Service Client Access License) for access to the server. For the corresponding information please refer to the web page of the OS manufacturer.

CITRIX www.citrix.com

A program version installed under CITRIX may only be installed on one server of the farm. Otherwise – because of the possibly existing LOAD BALANCING, which forwards the user without his knowledge to one of the servers in the farm – you would use different databases. The publication of the program is done according to the standard procedure under CITRIX. Keyboard shortcuts, which you may define in the course of the installation of CITRIX Neighborhood, do not have to be adjusted for ChemGes. The program is modified to work with the default settings of CITRIX Neighborhood. Program requests via links, mapped drives or batch files,

which refer to a different server, or which are not a member of the farm, lead to defective databases where there are multiple accesses. To suppress windows of the program manager with the ChemGes icon, which appears prior to the start of ChemGes, you may use the parameter *noicon*. The parameter has to be entered either in the file *chemges.par*, or in the property/target path of the icon.

(Label)-Printer

ChemGes usually works with every standard Windows printer.

For the PDF-output of any printout additional PDF printer (driver) is required. The PDF printers available on the market produce usable results. Please note, that some PDF-printers/label printers have to be defined as default printers and possibly require additional settings, or only work at certain ports. Some PDF printers/label printers show characteristic features between printer/function and operating system. **Please check the functionality of a printer prior to purchasing it, as we cannot support outside products.**

A multiple use of printers of the same type or model, can cause driver-conflicts, which can result in possible malfunctions of the individual printers.

Support for the printer/driver is available from the respective manufacturer. Driver modifications can be acquired from the respective manufacturer or at www.seagullscientific.com.

ARCserve

Please note that the simultaneous use of ChemGes and ARCserve/ARCserveAgent on one computer leads to problems. The client of the Btrieve database used by both programs, which deposits itself in *%systemroot%*, leads to malfunctions in ChemGes and even to loss of data. Please deactivate ARCserve and start this service only, when necessary.

PERVASIVE SQL

This SQL Server also uses Btrieve Clients. These clients have a higher version than those used by ChemGes. Please note that no update of the ChemGes-client is performed, as you – due to the differing versions – receive correspondingly different DB-files, which are not compatible and which are not recognized as Btrieve files by ChemGes anymore.

Parameters in ChemGes

ChemGes distinguishes between local and global parameters.

Local parameters only affect the screen, on which ChemGes has been started. To define local parameters in ChemGes, please right-click the ChemGes icon and select **Properties**. Enter the desired parameter after the program name in the **Target** path.

Example: **f:\chem\chemges.exe reminder=f:\chem**

Global parameters affect all users of ChemGes and do not have to be defined for each screen (work station). Even if only one person uses ChemGes we recommend the use of global parameters, as the administration is easier and you do not need to re-enter the parameters when switching to a new computer system.

The global parameters are stored in the file **chemges.par**, which is located in the program directory of ChemGes. **Chemges.par** is an ordinary text file. If

it does not exist, it can be created with any text editor. Alterations are possible with any text editor.

In the file **chemges.par** each parameter has to be entered into a separate line. The content of this file may look like the example below:

```
reminder=f:\chem  
noicon
```

Several versions of ChemGes on one computer

ChemGes can be installed several times on one computer without any problems. It is possible to install only the data or the whole system multiple times.

The information concerning the used directories is located in the file **chemdat**, which can be found in the program directory of ChemGes. The file **chemdat** can be revised with any text editor.

For the determination of directories three entries are significant. These entries may look as follows:

programs=f:\chem – program directory of ChemGes

files=f:\chem\data – data directory of ChemGes

symbols=f:\chem\symbols – directory with customer specific graphic files, e.g. logos

If you want to create a second version of ChemGes, copy the file **chemdat** first and rename it, e.g. to **chemdat2**. Depending on whether you want to create a second version of the data, or of the whole ChemGes program, it is necessary to change the relevant entries in the file **chemdat2**.

Now ChemGes has to be informed, that the directories, that are to be used, are located in the file **chemdat2**. To do this, copy the ChemGes icon and enter the parameter **chemdat=f:\chem\chemdat2** into the properties.

Example:

The program files and symbols remain at the same position (as shared files) and are located in the directory **f:\chem**. Only the data are located in another directory named **f:\newdata**. The entries in the file **chemdat** should be in the file **f:\newdata\chemdat2**.

Procedure:

1. Copy from **f:\chem\chemdat** to **f:\newdata\chemdat2**
2. Open the file **f:\newdata\chemdat2** with any text editor
3. Change **files=f:\chem\data** to **files=f:\newdata**
4. Save changes
5. Copy the ChemGes icon and rename it as required
6. Right-click the new icon
7. Select Properties
8. Change the path *Target* to

f:\chem\chemges.exe chemdat=f:\newdata\chemdat2

Regardless whether the whole program, or only the data are installed several times, updates always have to be done per data version. So, if you have installed the data twice, you have to perform the update twice. You can be

sure that our update routines know which data need to be updated and which not.

For reasons of speed in some cases it might be necessary to install the program locally and to manage only the data centrally. Due to this structure the performance of a program- and data-update would be very time-consuming. You can avoid this problem by using the parameter **updatedirectory=** . To do this enter the parameter in the file *chemges.par* (e.g. **updatedirectory=f:\test**) as described above. Please store the files, which are included in the update, in the folder defined by the parameter. The update is automatically performed as soon as one user starts the program.

Installation of ChemGes on a new computer

Simply copy the program directory of ChemGes to the new computer. If the data directory is no subdirectory of the program directory, you also have to copy the data directory to the new computer.

If the complete directory structure of ChemGes differs from the directory structure on the old computer you have to change the relevant entries in the file **chemdat** (as described above).

Then go to the program directory located on the new computer and start **chemges.exe**. The program automatically creates an icon and performs all necessary entries in the registry.

In case you used local parameters (entries concerning the properties of the ChemGes icon) you have to re-enter them in the new icon.

Table of the parameters to influence the functionality of ChemGes

The parameters listed below may be entered either into the file **chemges.par** or into the properties of the start-icon of the program (as described above).

btrievetemp=	Temporary files, which are normally written into the Windows-directory, can be transferred to any directory (e.g. btrievetemp=c:\chem\temp)
bwprinter	Some monochrome printers simulate color printers and picture colors in grey tones, which may lead to unreadable symbol images. This parameter enables the program to recognize such printers as monochrome printers.
changedefaultprinter	In some systems the use of non-Windows-default-printers causes problems. With this parameter you may define any printer as a temporary Windows-default printer. After the printout the program resets to the original default printer.
client-server	Some of our customers use the client-server-version of the Btrieve database system, where a Btrieve requester works on the server. In this case this parameter has to be set.
druck-deckblatt	If this parameter is set, cover sheets for MSDSs of kits are also transferred to MSDS+.
east	This parameter causes the automatic activation of the Eastern European character set at the program start. This means that for all input fields (except for fields in the maintenance program, which are intended for input in

	certain languages) the Eastern European character set is applied.
hardcopy-old	The program provides two routines for the output of hard copies via the function key F12 . If the standard routine does not lead to a satisfactory result, you may switch to the alternative routine by using this parameter.
kemler	This parameter causes the output of the kemler code (hazard number) instead of a data sheet number in the lowest red bar of the TremCard.
lines=	By using this parameter you may define the maximum number of lines per page for the printout/file output of MSDSs (e.g. the parameter <i>lines=56</i> sets the maximum number of lines per page at 56). This is particularly important for file outputs, if a file is printed with a printer, which is not able to put out as many lines per page as the printer defined in ChemGes.
nobold	Some printers cannot perform boldface printing. Therefore enter the parameter <i>nobold</i> to simulate the bold face print by software.
nocopy	Some printers do not have a copy function. This means that they are not able to print as many copies as it has been defined in the program (they only print one copy and ignore the actually defined number of copies). By entering the parameter <i>nocopy</i> you can print the exact number of copies that you have defined in the program.
no-hp	The use of this parameter is only required, if you want to create multilingual labels containing different character sets, and if the line height of the texts differs after the character set is changed.
noicon	During the first program start ChemGes usually creates a program group and an icon named ChemGes. To avoid the creation of the icon enter the parameter <i>noicon</i> .
noindex	This parameter serves to avoid that the program automatically re-creates the index for the search for description parts, if it detects an error. This parameter should only be used in exceptional cases, if problems with the automatic index file repair occur due to too low authorization.
noopen	If this parameter is set, the program immediately starts the program part <i>File repair</i> , without opening the data files. This only serves the repair of defective files, if the normal program start procedure does not function anymore. We recommend to start <i>chemges.exe</i> via the instruction "execute" within the start-menu of Windows and to enter this parameter behind the start path (e.g. c:\chem\chemges.exe noopen).
newversiondirectory=	In some network installations of ChemGes only the data directory (e.g. CHEMDAT) is installed on the server, whereas the program directory (e.g. CHEM) is installed on each local computer. During the performance of an

	<p>update on a single computer (work station) of such a network, only the shared data directory and the program directory of only this computer is updated. If later the program is started from another computer in this network, the program and the data will not match until an update for this computer has been performed as well. To set that the program performs this automatically one has to define a shared update-directory on the server and to enter this parameter in the file <i>chemges.par</i> (on the server). If you, for example, create the directory ChemGes\Update on the server drive "F", the parameter is <i>newversiondirectory=F:\Chemges\Update</i>. After that the Zip-file with the latest update only has to be copied into the update-directory. Finally, if a user starts ChemGes at his computer, the update is performed automatically and the program is started in the latest version.</p>
preview	<p>If this parameter is set, a print preview is displayed after each print command (via <input type="button" value="F10"/>, or the corresponding button). Printing occurs only after the second print command.</p>
reminder=	<p>ChemGes uses a file named <i>chemges.d01</i>, which contains information on the window positions, character size and the default printers, which have been defined for ChemGes. Usually this file is created in the local Windows-directory. If a user has no authorization for his local Windows-directory, he may determine the location of this file by using the parameter <i>reminder=directory</i> (e.g. <i>reminder=c:\chem</i>).</p>
l=	<p>By using this parameter you may define the screen language for ChemGes, differing from the settings in the file <i>chemdat</i>. This parameter is particularly useful in the properties of the program icon and serves to open the program in another language by using a further icon. For this the 4 screen languages English (<i>l=eng</i>), German (<i>l=d</i>), French (<i>l=fr</i>) and Italian (<i>l=it</i>) are available.</p>
cl=	<p>Similar to the parameter <i>l=</i> you may use this parameter to define the language for chemical names. For this you may use all languages, in which substance descriptions were created (e.g. <i>cl=nl</i>). Please note that only the language abbreviations used by ChemGes are permissible.</p>
c=	<p>Similar to the parameter <i>l=</i> you may use this parameter to define the home country. If this parameter is set the respective country is used as the default setting in the overview screen of countries and is identified by the corresponding flag in the basic window of the program. Please note, that only the country abbreviations used by ChemGes are permissible.</p>
query=	<p>Executes the individual file output stated after <i>query=</i>, directly as a batch function. Afterwards, ChemGes is terminated automatically.</p>