

Software Updates and Automatic Updating

Introduction:

- The goal of a software such as ChemGes is to be as up-to-date on the legislation as possible and to simplify the work for the user, automating as much as possible the extremely complicated classification as well as document generation, in order to facilitate global compliance.
- While the Software Updates are extremely important in this matter, they must be done with a full understanding of their impact.
- The most important day-to-day feature of ChemGes is its' automatism (automatic updates within the software).
- Balance and Understanding are key regarding these two matters

Please direct additional questions to our hotline
Via telephone at +1 (902) 832-3425 or +43 2628 619 00
Via email to info@dr-software.com

Software Updates: Ways to Update

- Before updating ChemGes, it is absolutely necessary to ensure all instances of ChemGes are closed.
- An update may take some time, so please ensure that the timing of the update is convenient. Forcefully breaking off a running update can result in data loss.
- If the software is located on a server, the update needs to be run only from one of the computers accessing it on the server or from the server directly. Either way will result in all users who access that version, having the updated version.
- The update should be tested within an appropriate trial (testing) environment to avoid eventual problems in your configuration and to gain more in-depth awareness of the changes that the update brings. Only after testing should the regular operation be started. Although our team performs extensive tests please understand that errors cannot be completely avoided. Once we are made aware of any errors, they are evaluated and repaired at once. We would like to point out that it is your own responsibility if you do not follow this instruction and install the update over your real data without testing beforehand.

ChemGes Administration of Chemicals

Version 51.0.6 (04/28/2020, 13:39)
version 51.0.7 (April 29, 2020, 10:58) is available

Substance: 745

Retrieval of articles: CAS number or preparation number, Description, Product code + [F1], Index number + [F2], EC number + [F3], UN number + [F4], Registration number + [Ctrl R], UFI Code + [Ctrl U]

Overview of substances: [Page 1], [F5] Next substance number, [F6] Next free preparation number (at the end), [F6] Next free preparation number (free space), [F10] Search for character strings, [Ctrl ↵] Kit creation with self defined number, [Ctrl F6] Next free kit number

Last retrieved substances			
(748)	test		
108-10-1	4-methylpentan-2-one		
(744)	Outdoor Use on Plastic		
10,018	test		
64742-88-7	Solvent naphtha (petroleum), medium aliph.		
10,017	Application on Plastic		
10,012	Outdoor Use on Wood		
(743)	Outdoor Use on Wood		
10,000	Resin solution X 50		
64742-54-7/1	Distillates (petroleum), hydrotreated heavy para		
10,016	test		
118-52-5	1,3-dichloro-5,5-dimethylhydantoin		
50-00-0	name		
10,015	test		
56-81-5	glycerol		
1,000	1234567890 Resin solution X 50		
10,014	TH H10-1		
78-92-2	Butanol		
101-68-8	4,4'-methylenediphenyl diisocyanate		
10,013	Application on Plastic		
121-44-8	triethylamine		
(747)	Outdoor Use		
(745)	Indoor Use on Wood		

Print SDSs
Print labels

Ctrl A Activation of the 13. ATP (for Europe) - automatic transfer on 05/01/2020
Ctrl B Activation of the 14. ATP (for Europe) - automatic transfer on 09/09/2021

The easiest way to update ChemGes is from the main screen of ChemGes (as shown in the screenshot).

1. Simply click on the blue circle with arrow or press **Ctrl D**.
2. Confirm with "Yes" and the update will start automatically.

DR-SoftWare, Inc.
30 years on the market

Home
General description
Raw Materials Database
Preparations Database
Classifications
Safety Data Sheets
Labels
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Downloads

Program updates
The following programs are only updates for existing program installations. They will not work without prior installation of the program. Updates are made available exclusively to our customers with a valid and active maintenance contract. If you do not have an active maintenance contract, you are not authorized to download. If the maintenance contract is terminated, we cannot guarantee in any way that the installation of this update will still work properly. Furthermore, we would like to point out, that in this case no support at all will be provided.

ChemGes
Update from version 48.0 or higher to version 51.0.2
Version date: 13.4.2020 - 5:34

Manuals
ChemGes
Introduction to ChemGes
MSDS+
Update description
Exposure Scenarios
GHS & ChemGes - Overview and quick guide
PCN notification
Important ChemGes Facts

Graphic brief introductions for the following program parts
Raw Materials
Phrases and their conditions
Allocation of Variables
Exposure Scenarios
Labels

Please install this update only, if you have at least version 48.0 on your computer. If you install this update over an earlier version of ChemGes, the program will no longer work!

The update files have to be unzipped into the main directory of ChemGes

It is also always possible to perform a software update from our website www.dr-software.com.

1. Download the zipped update file (*32.zip*).
2. Place the file *32.zip* into the folder containing ChemGes. **Please do not unzip it and do not rename it.**
3. Open ChemGes.

Software Updates:

Types of Updates/Frequency

A valid *Maintenance Contract* gives access to all of the updates to ChemGes. Of these, there are two types:

1. Major Updates

- These change the main Version number of ChemGes (i.e. from Version 51.0 to 52.0).
- Customers will be notified when such an update is published.
- The usual publication periods are approximately end-of-May and end-of-November each year.
- An Update Description is provided.
- Major legislative changes, classification changes, listings, data, program features, among other things are changed in such an update.

2. Minor Updates

- These are identifiable by sub-numbers (i.e. 51.1.2)
- At times the sub-number does not change (if the change in the software is very minor). All that one will see is that the update has a different date and time.
- Customers will only be made aware of such updates, from the first screen of ChemGes.
- The update descriptions are updated with new details regarding some minor changes (marked in blue) but this may experience a delay of a few days.
- They are usually minor changes such as spelling changes, error corrections or often changes pertaining only to a particular customer (implemented via parameter on our side).
- It is not necessary to update ChemGes on a daily basis, but this can be done both directly from within ChemGes or from our website.

Notable Details

- While there are no update descriptions provided for minor updates, changes that are of some significance are added into the update description that was generated for the last major update. These are written in blue. Please be aware, that there is usually a one week delay before these changes appear in the update description, as the texts must also be translated into all four languages in which the update descriptions are output. The update descriptions are available within ChemGes under the *Help* option or on our website www.dr-software.com, under *Downloads*.
- It is very important that every user familiarize him or herself with the update description. Please contact us regarding anything that is unclear.
- With every major update, a file is created in the folder in which **chemges.exe** is located (most likely the CHEM folder) that lists all raw materials whose classifications were changed with the update.
 - For each update where this applies, the name of that file is specified in the Update Description.
 - Under Ctrl 3 *Administration Programs – Reclassification of formulations*, one can apply this file to automatically reclassify all preparations containing raw materials in that file.
 - Following that step:
 - Via Ctrl 1 *Printouts and queries – SDSs chosen by different selection criteria*, one can print all SDSs of preparations with a specific **classification date**, thus all newly classified preparations.
 - or
 - Via Ctrl 2 *Data output – File with Safety Data Sheets* one can generate a file containing all SDSs with a specific **classification date**.

Automatic Updating

- The most important feature of ChemGes is the automatic updating.
- It is extremely important to understand this function and what effect it can have.
- Only that way can a balance be established between control and automatism, that makes calculations as well as the generation of documents possible **with minimal input** by the user.
 - When all automatic update features are activated, the user can be certain that changes are automatically implemented.
 - But, this can have the effect that manual changes can be overwritten, when the automatism follows the rules given to the program and they work opposite to a manual choice. Therefore, changes can be removed and old information returned, without the user noticing.
 - **Please Note:** the many functions of ChemGes ensure that you do not need to make manual changes and that the automatism can always work to your advantage.
 - Not activating the automatic updates, requires that the user, whenever there is any change at all, remember to update manually. This can become rather complicated, because if the automatic update is run manually, and the user had in the past made manual changes that were only not overwritten because the automatic update was never run, these changes would now be overwritten and the user might not even remember that these manual changes were made in the past.

Sound confusing?

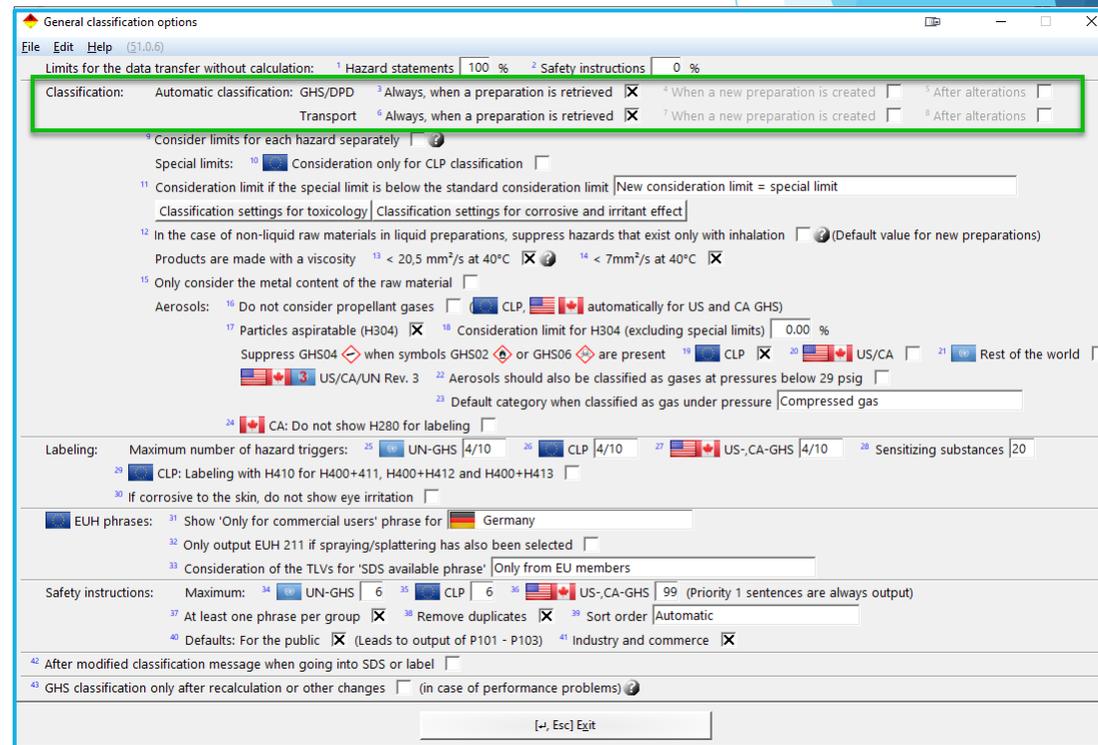
- That is why it is so important to understand these settings. Just about anything that one might want to change, can be done by either using the rules applied when updating (i.e. conditions for phrases) or by locking individual pieces of information (i.e. classification changes).
- Remember, we are here to help you.

Automatic Classifications (GHS/DPD, Transport)

- The screen *General classification Options* in **Ctrl** **4** *Maintenance programs – Program adjustments – Classification options*, contains the settings for classification updates.
- Our recommendation is the activation for both **GHS/DPD** and **Transport** of the classification **Always when a preparation is retrieved**. This means that every time one opens a preparation, these classifications are recalculated, giving you the most up-to-date information.

- The other options only allow for this calculation to be performed when a **new preparation** is created or **after alterations** to the ingredients in the formulation.
- These are not ideal, as they require the user to remember to do a manual update and thus creates opportunity for error.

Please note, that these automatic calculations refer only to the classification and transport calculations. (GHS/DPD, WHMIS, NFPA, DOT, IATA, IMDG, ADR,...) and not to the information in the *Physical Data* Screen. (Please see next slide for details)



Manual Update of Preparation Data

Upon changing a formulation (by adding or deleting an ingredient or changing information in an ingredient), please take the following into consideration:

If there is a possibility that **Physical Data** has changed, either change it manually or go to the *Physical Data* Screen and recalculate the data by pressing **[Ctrl] [F4]** *Recalculate physical values* (see screenshot). Be aware that any manual changes that were previously made in this screen will also be overwritten unless you define specifically which fields are to be recalculated.

If you do not have the automatic update activated (**[Ctrl][4]** *Maintenance programs – Program adjustments – Classification options*), then press **[F10]** *Classification* in the *Maintenance of Preparations* Screen to update the classifications.

Physical data (54.0.5)

File Edit Help

Basic screen Formulation Physical data Country specific classifications Transport

1 State solid

2 Flash point 4.45 °C

3 Boiling point 82 °C

4 Melting point °C

5 Water miscible/water soluble

6 Density g/cm³

7 Bulk density kg/m³

8 pH-value 13 (20%)

9 Solids 25.9 %

10 Flammable substances 32.589 %

11 Ignition temperature 390 °C

12 Chemical heat of combustion kJ/g

13 Viscosity at 20°C mPas

14 at 40°C mm²/s

15 Vapor pressure at 20.0 °C 29 hPa

16 at 50.0 °C 124 hPa

17 Explosion limits 1.2-7 Vol%

18 Contains ≥ 10 % nitro cellulose

19 Purpose: 23 Public 24 Industry or trade

20 Ready-to-use product for the final customer

21 The product will be applied by spraying or splattering

22 Product is in aerosol package or container with sealed spray attachment

23 Pressure > 29 psig

24 The aerosol is: 29 extremely flammable 30 flammable 31 non-flammable

25 The product promotes burning

26 During use, an ignition risk exists

27 The product is spontaneously flammable in air at room temperature

28 The product is explosive 29 Extremely explosive

29 The product is fire promotive or contains peroxides 30 Organic peroxides

31 The product forms flammable gas with water or air

32 The product is dusty and has an explosive range with air

33 The product has its ignition range at 1 bar and room temperature

34 The gas is liquefied

20 Form 38 Gaseous

21 Color 49 According to product specification

22 Odor 3 Characteristic

[Ctrl F4] Recalculate physical values

[Ctrl P] Additional physical-/chemical values *

[Ctrl L] Physical data of contents

[F10] Settings for physical values

[Esc] End

Maintenance of preparations (52.0.15)

File Edit Print programs Help

Basic screen Formulation Physical data Country specific classifications Transport

Preparation 1.000 Resin solution X 50

Product code 1234567890

Variant Basic substance selected - 3 variants created

Flags CLP 3, ATP, CLP 3, Color Line 3: blue

Article group ART General Article Group Description

GHS classification (Locked H phrases)

Danger

3.10/1 Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.

3.1/1 Eye Dam. 1 - H318 Causes serious eye damage.

3.1/4 Acute Tox. 4 - H302 Harmful if swallowed.

3.4/1 Skin Sens. 1 - H317 May cause an allergic skin reaction.

3.8/3 STOT SE 3 - H336 May cause drowsiness or dizziness.

4.2/1 Ozone 1 - H420 Harms public health and the environment by destroying ozone in the upper atmosphere

5.1/1 Ozone 1 - H420 Harms public health and the environment by destroying ozone in the upper atmosphere

Warning

3.1/5 Acute Tox. 5 - H333 May be harmful if inhaled.

4.1/2 Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

8 Product contains: reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight <= 700), toluene, xylene

9 Product contains: reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight <= 700), toluene, ethyl acetate

10 Product contains: reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight <= 700), toluene, ethyl acetate, butanol

8 State solid

9 Flash point 30 °C

10 Boiling point 77 °C

11 Density 13 (20%)

12 pH value mPas

13 Viscosity at 20°C mm²/s

14 Water miscible/water soluble

15 Further physical/chemical data

16 Self-defined physical/chemical data

17 Transport None Loose

18 ADR: ADR Code: C8, PG: I, UN: 3263

19 DOT: 8

20 PG: I, UN: 3263

21 IMDG: 8

22 IATA: 8

23 PG: I, UN: 3263

24 DPG: R34-43-48/20-51/53-63-67-72

25 NFA: Ctrl N NFA/HMS

F2 Formulation Ctrl F2 Breakdown of formulation

Page 1 Quotients Ctrl L Substance listings

Ctrl T Tax values Alt+S Country specific values

[F8] SDS [F5] Label [F5] Internal Plant Instruction

Automatic reclassification each time the substance is reissued

[Ctrl X] Lock

GHS areas [Pre-selected] All

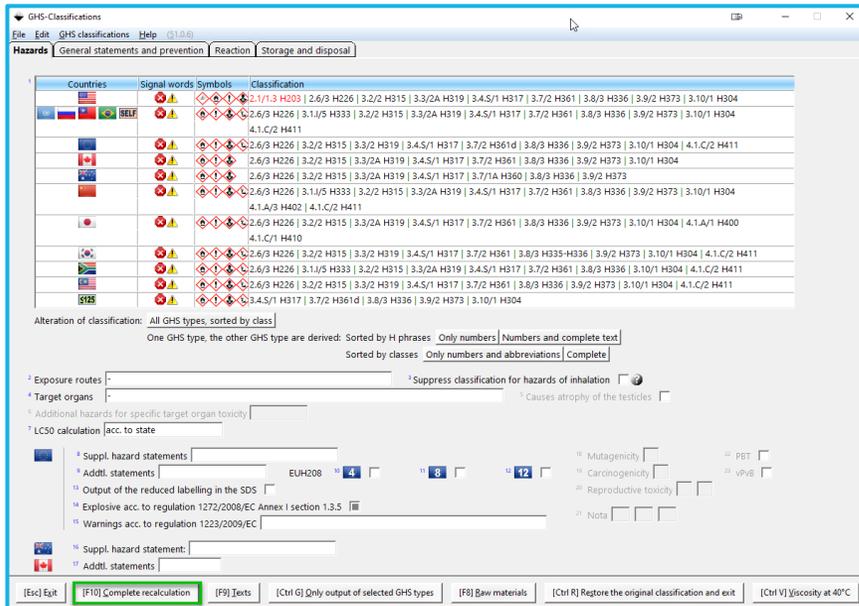
Creation Last alteration [01/28/2021] Last classification [01/28/2021]

[Alt F11] Memo

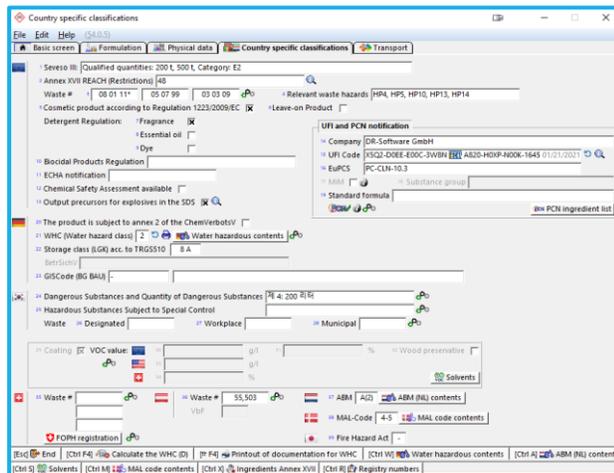
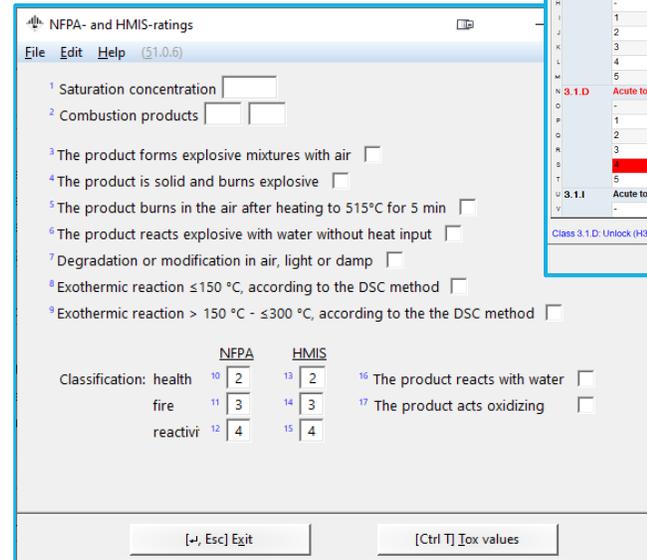
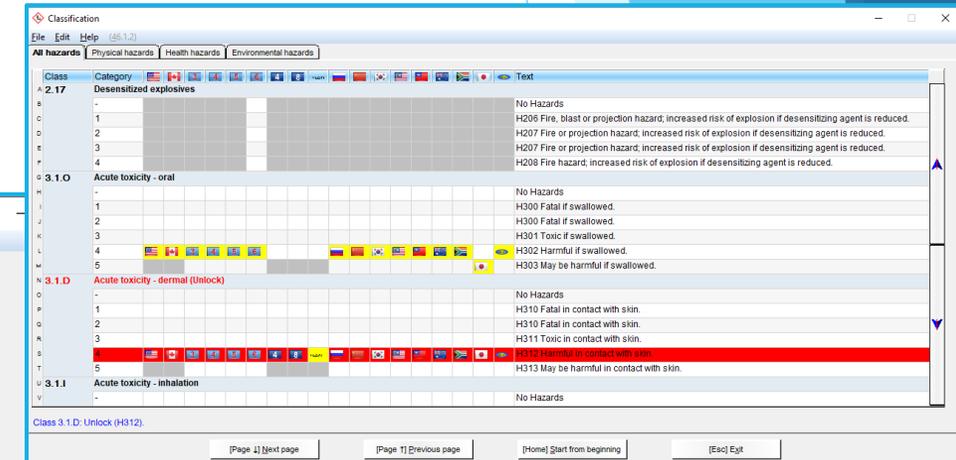
Ctrl G GHS-Abkürzung [Alt F8] PDF files [F10] Classification [Alt F3] Variants [F] F3 Change of variant [Ctrl P] Production information [Ctrl F7] Trenncard [Ctrl C] Copy/Exchange [F1] Translations of the descriptions [Ctrl R8] Versions of old SDS [Alt Delete] Delete [Ctrl S] Save and exit [Page 1] Occurrence in preparations [Home] Price [F6] +SNH+No- Copy label [Ctrl F10] Classification with price [Ctrl M] Data for GHS label [Ctrl I] Data for SDS notification

Manual Update of individual/locked classification data

If you wish to return the GHS classification to its original settings (in order to unlock all manual changes), simply press **F10** Complete recalculation in the *GHS Classification* Screen.



When any other field is marked in red, indicating that the information therein was changed and the field is now locked for calculation, one can unlock it and thus return to its original value, by clicking into the field or by clicking into it and pressing **F10** (depending on the screen – simply follow the instructions).



Safety Data Sheet Updates

Automatic update settings for all SDSs:

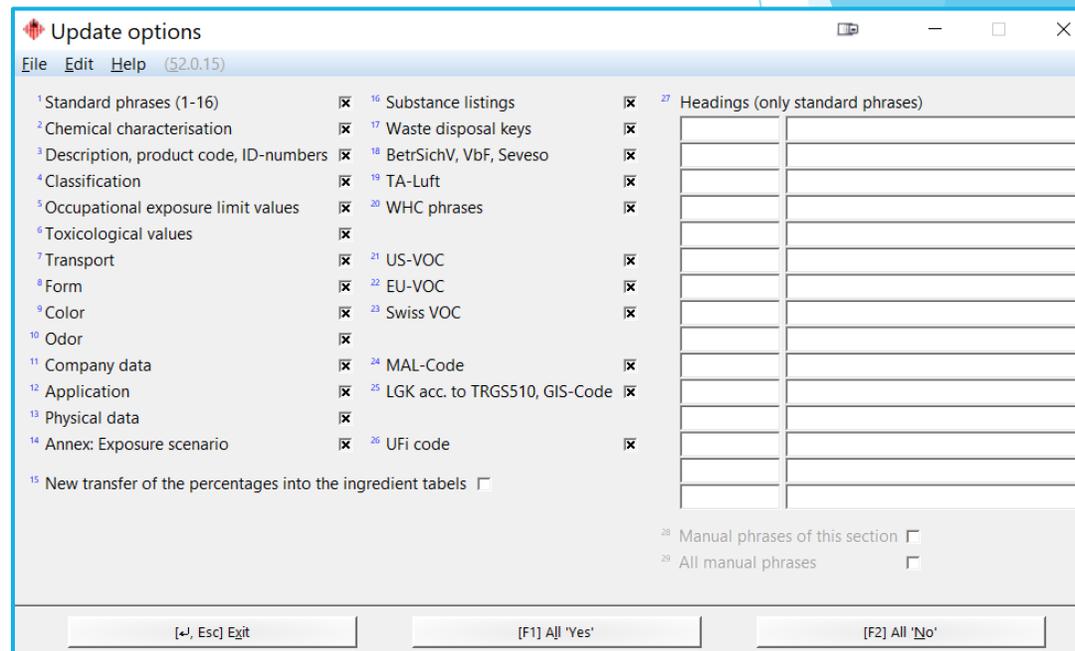
The **automatic update** of SDSs is activated in the **Update options** screen. ([Ctrl] [4] *Maintenance programs – Safety Data Sheets – Other settings – Update options*) Any fields that are activated in this screen, are automatically updated every time an SDS is entered.

Automatic update settings for a specific SDS:

When in an SDS, you can run this same update simply by pressing [F1] **Update**. The same screen appears and you can choose to update everything or only select parts. Setting changes here affect only the SDS in which you are and will apply to the automatic update for that specific SDS, as well.

Please Note:

Upon changing the settings in this 'Update Options' screen within an SDS, those settings will remain as default in that SDS. This means that only these chosen options are updated 'automatically' upon entering the SDS, disregarding the settings for this screen, in the *Maintenance Programs*.

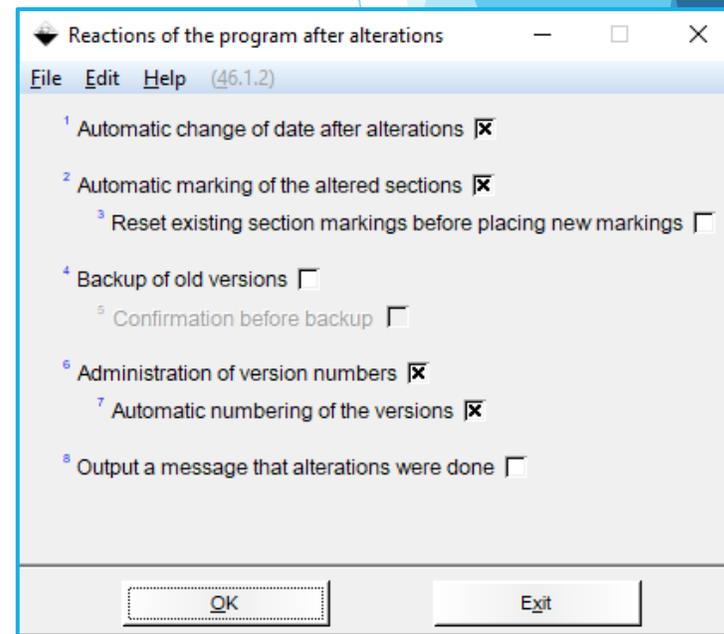


Effects an Update has on an SDS

- All changed data will be changed. That includes but is not limited to:
 - Classification
 - Physical Data
 - Substance Listings
 - Hazardous Ingredients Table
 - Hazard Triggers
 - Transport Classification
- Where often are the biggest surprises, is in changes to Phrases
 - Phrases have conditions assigned to them. These conditions can affect not only the output or non-output of a specific phrase but also the output or deletion of another phrase.

(See ‚Headings and Phrases‘ PowerPoint in the Downloads section of our website www.dr-software.com, for details)

The screen *Reactions of the program after alterations* (**Ctrl** **4** *Maintenance Programs – Safety Data Sheets – Other settings*) allows you to manage version numbering, change marking, date changes and version backups).



Labels

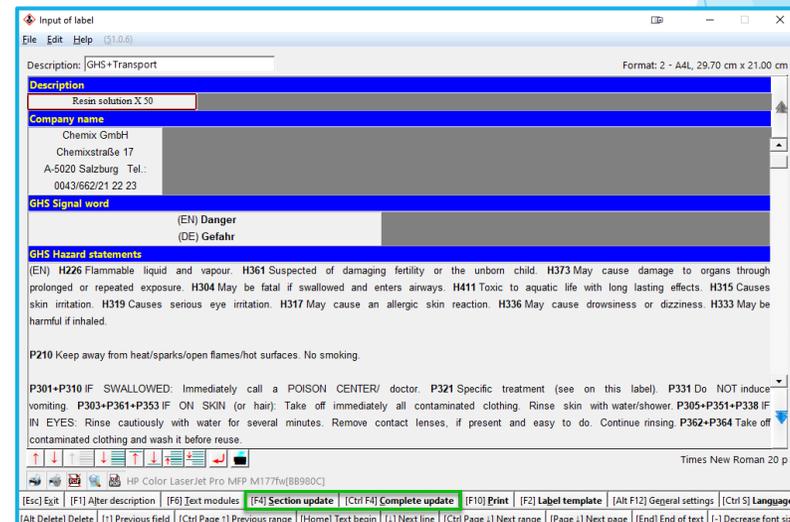
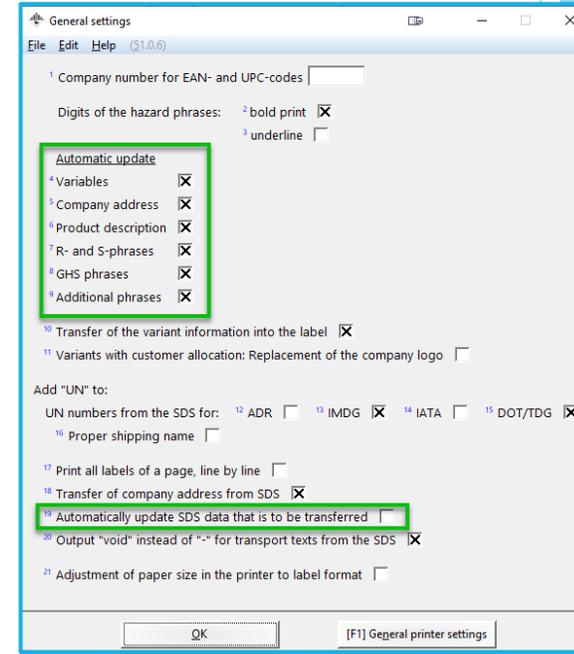
The automatic update of labels is activated in the screen **General Settings**

(**Ctrl** **4** *Maintenance programs – Labels*).

- The options under **Automatic Updates** allow the individual activation of automatic updates.
- We recommend that they are all activated.
- The option **Automatic updates of SDS data to be transferred** is good to have activated as well.
 - SDSs, even with the automatic update on, are updated only when opened.
 - It is therefore possible that new information was not yet updated in a country SDS, by opening it, but one wishes to create a label that has a direct link to the SDS via *Additional Phrases* (See **Labels' PowerPoint**)
 - This setting allows for such information to be updated in the SDS, without having to open it.

In the editing screen of a label, it is possible to manually update the whole label

Ctrl **F4** **Complete update** or just individual sections **F4** **Section update**.



**More detailed Information can be found in the Manual to
ChemGes**

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