

Exposure Scenarios

Steps for creating Exposure Scenarios in ChemGes

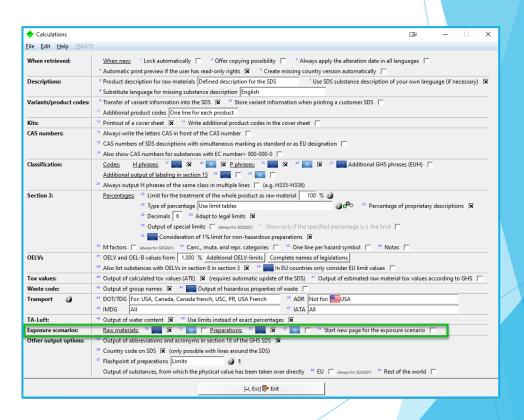
Additional Information can be found in the corresponding document and the manual to ChemGes.

Step 1:

Activating the output of the Exposure Scenario

Activate, as needed, fields 50 to 54 regarding the output of Exposure Scenarios (ES).

(Ctrl 4 Maintenance Programs – Safety Data Sheets – General Options)



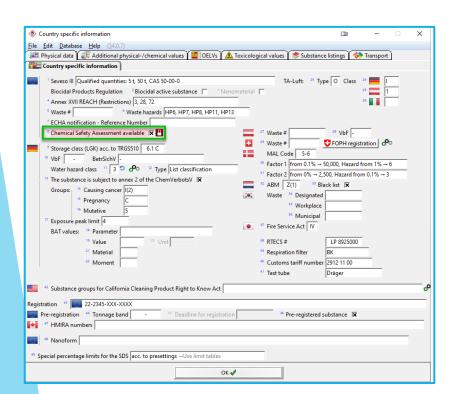
Step 2:

Activation of availability of Chemical Safety Assessment (CSA) for all substances

Raw materials:

Item 8 "Chemical Safety Assessment available" in the database tab *Country Specific Information*.

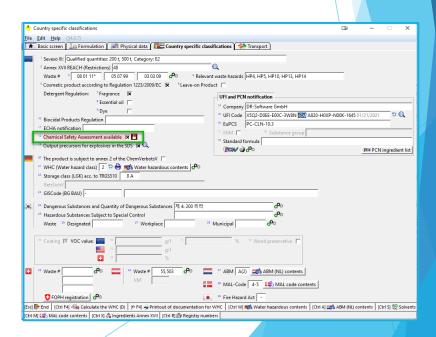
(Maintenance of Raw Materials)



Preparations:

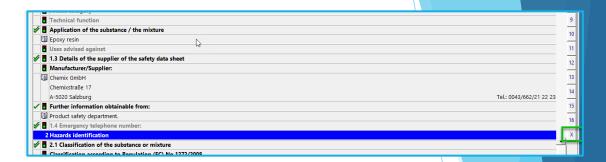
Item 16 "Chemical Safety Assessment available" in the database tab *Country Specific Classifications*.

(Maintenance of Preparations)



Creating the first ES from the editing screen of the SDS

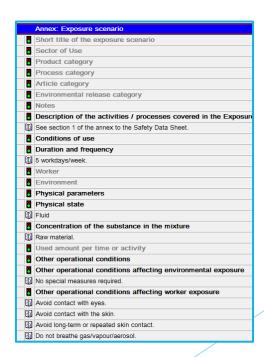
Click on Section X



ChemGes will automatically fill in the appropriate fields from the database.

<u>If this is your only ES</u>, then fill in the additional information. (see next Steps)

If you will generate additional ESs, leave this as it is for now and follow the next Steps.



Step 4:

Introductory points to the generation of additional ESs:

- Additional ESs are created by means of **Templates**.
- **Templates** are generated for **Dummy Substances**.
- **Dummy Substances** are fictional substances and are <u>not</u> copies of the original substance.
- **Dummy Substances** are created with a <u>Specific Use</u> and <u>Exposure</u> in mind and have *similar characteristics* to the substance for which the ES applies.
- Similar characteristics must be general enough to apply to other substances to which this <u>Specific Use</u> and <u>Exposure</u> apply.
- **Templates** are used over and over for many different substances

Example

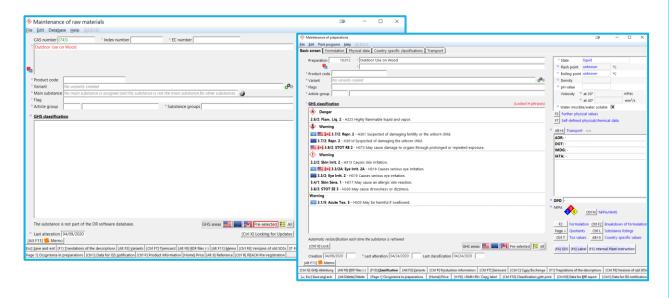
- Company XY sells paint.
 - Outdoor or indoor use
 - Wood or plastic application
- Company XY generates 4 Dummy Substances named:
 - 1. Outdoor Use on Wood
 - Outdoor Use on Plastic
 - 3. Indoor Use on Wood
 - 4. Indoor Use on Plastic
- The ESs of these dummy substances are called **Templates**
- Company XY produces Product A (for Indoor and Outdoor use)
- The four exposure scenarios are assigned to Product A.
- Thus, Product A now has the ES that was created with its SDS and these four other Templates
- The Dummy Substances assigned to these Templates have similar characteristics as Product A. They are <u>not</u> copies of Product A.
- These Dummy Substances can also be used for Product B, with similar characteristics.

These **Templates**, now linked, can be adapted to the actual substance. Only the linked 'copies' are adapted, not the original templates

<u>Step 5:</u>

Creating Dummy Substances:

New raw materials (pseudo-CAS numbers) AND/OR New preparations



Dummy Substance Features:

Name:

representative/descriptive of ES Template

Characteristics:

apply to every substance that will use this Template and the ES described by the template

Note:

- The ESs from these substances can be used interchangeably.
- Raw material ESs for preparations and vice versa.
- They can also be mixed. Use as needed.

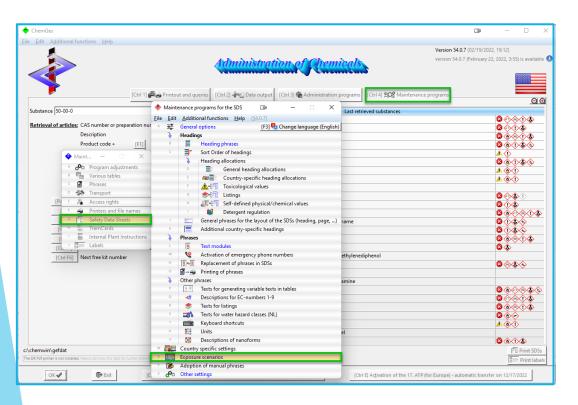


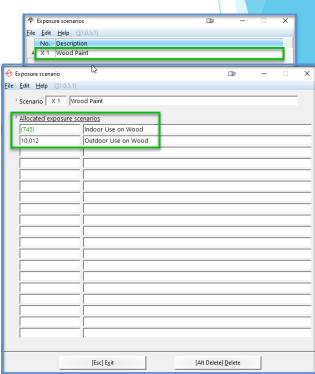
Step 6:

Further Automation: ES Grouping

Creation of ES-Groups:

Ctrl 4 Maintenance Programs – Safety Data Sheets – Exposure Scenarios





<u>Step 7:</u>

Adding Exposure Scenarios to your original substance:

- Enter the editing screen of the SDS.
- Click at the bottom of the screen on the option Ctrl X Additional Exposure Scenarios.

[Ctrl X] Additional exposure scenarios

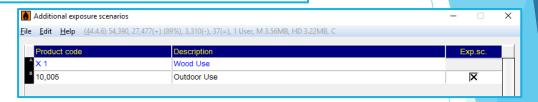
Text is red if ESs are linked

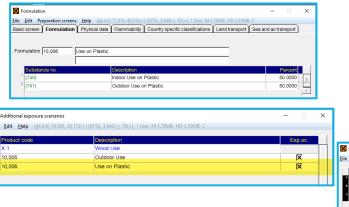
[Ctrl X] Additional exposure scenarios (2)

Enter the Templates to link

ESs assigned to a substance which is assigned to a substance for which scenarios are being generated, will also be included.

All additional ES Templates are automatically populated with information from the SDS.





Additional exposure scenarios

Edit Help (44.4.6) 88,056, 45,566(+) (93%), 3,651(-), 101(-), 1 User, M 3,78MB,

Product coste

X 1 Wood Use
10,005 Outdoor Use
10,006 Use on Plastic

The option *Deactivation of Substance Exposure Scenario* can be activated if only templates are to be used.

Deactivation of substance exposure scenario

Step 8:

Further Automation: Linking Phrases

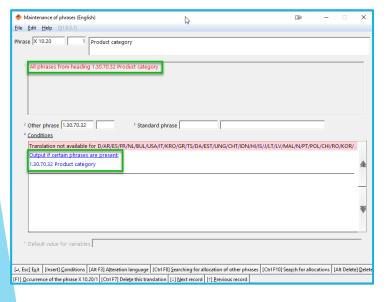
The data in the SDS must correspond to the data in the ESs.

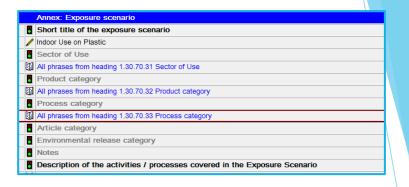
This can be automated via conditions.

Fill in Data for each Template and the corresponding Data in the SDS.

Ctrl 4 Maintenance Programs – Safety Data Sheets – Text Modules

1. Link directly to Phrases from SDS:





2. Allocate Phrase to ES:

