

ChemGes – Update 02/2025

Version 62.0

Please note that this Update contains extensive changes to the Database.

For this reason, the Update may take a long time.

Please backup your program and data as usual before an Update.

Let the Update run completely and do not turn off your computer while the Update is running, as this can lead to massive data loss.

Installation:

You can download the update either directly in ChemGes via the update symbol in the right upper corner of the basic screen, or via the following link:

<http://dr-software.com>

Please note, that your program must be at least Version 59.0 in order for your Update to be performed. Please contact our hotline if that is not the case.

To download the update, please either go to www.dr-software.com – *Downloads* – “**Update from version 59.0 or higher to version 62.0**” or click directly on the above stated link.

Save the file “32.zip” in your program directory for ChemGes (usually \chem) and unzip the file. Please make sure that the program is not in access. Afterwards you can start the update by double-clicking **chemges.exe**.

Should you need the update on USB stick, as a download is not possible for you, please also inform us by email (info@dr-software.com). We will be happy to arrange a shipment as soon as possible.

The following description contains all changes and improvements that have been implemented in ChemGes since Version 61.0.

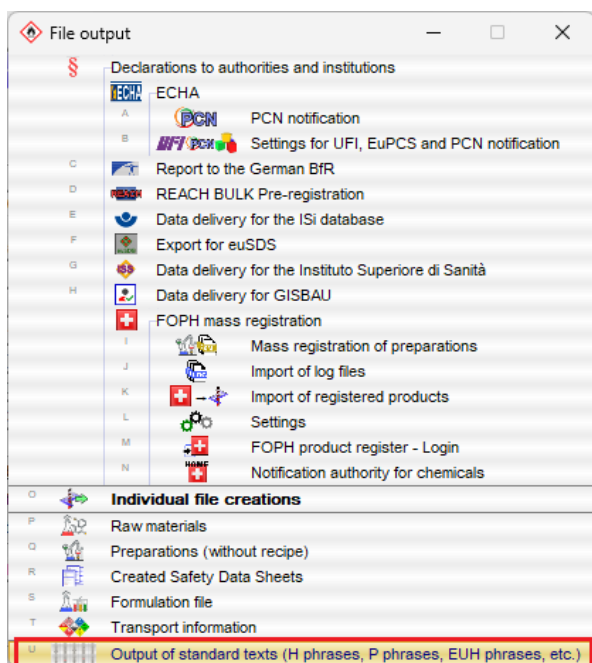
Contents

A. New tools and functions in ChemGes	1
1. Output of standard phrases	1
2. Nanoforms and microplastics – output of information.....	2
3. Calculation of the molecular weight.....	10
 B. Data update	 11
1. Occupational exposure limits and biological limit values.....	11
2. Substance listings and Chemical Inventories	11
a) Existing substance lists.....	11
b) New lists.....	12
3. GHS classifications and waste codes Korea	13
4. Transport regulations	13
5. 2025/1222/EU - 23. ATP, CLP	13
6. European Waste Catalogue	15

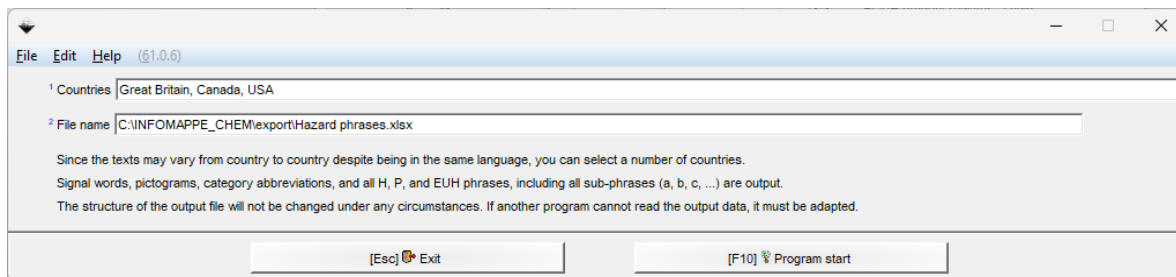
A. New tools and functions in ChemGes

1. Output of standard phrases

The menu **Data output** [Ctrl] [2] was expanded with the following new item:



This item allows you to select the output of GHS phrases in an Excel file for a single or even several countries at a time.



Output sample:

	A	B	C	D
1	ID	Country	Language	Text
2	Danger	GB	EN	Danger
3	Warning	GB	EN	Warning
4	GHS01	GB	EN	exploding bomb
5	GHS02	GB	EN	flame
6	GHS03	GB	EN	flame over circle
7	GHS04	GB	EN	gas cylinder
8	GHS05	GB	EN	corrosion
9	GHS06	GB	EN	skull and crossbones
10	GHS07	GB	EN	exclamation mark
11	GHS08	GB	EN	health hazard
12	GHS09	GB	EN	environment
13	3.1.D/1	GB	EN	Acute Tox. 1
14	3.1.D/2	GB	EN	Acute Tox. 2
15	3.1.D/3	GB	EN	Acute Tox. 3
16	3.1.D/4	GB	EN	Acute Tox. 4
17	3.1.D/5	GB	EN	Acute Tox. 5
18	3.1.I/1	GB	EN	Acute Tox. 1
19	3.1.I/2	GB	EN	Acute Tox. 2
20	3.1.I/3	GB	EN	Acute Tox. 3
21	3.1.I/4	GB	EN	Acute Tox. 4
22	3.1.I/5	GB	EN	Acute Tox. 5
23	3.1.O/1	GB	EN	Acute Tox. 1
24	3.1.O/2	GB	EN	Acute Tox. 2
25	3.1.O/3	GB	EN	Acute Tox. 3
26	3.1.O/4	GB	EN	Acute Tox. 4
27	3.1.O/5	GB	EN	Acute Tox. 5
28	3.2/1	GB	EN	Skin Corr. 1
29	3.2/1A	GB	EN	Skin Corr. 1A
30	3.2/1B	GB	EN	Skin Corr. 1B
31	3.2/1C	GB	EN	Skin Corr. 1C
32	3.2/2	GB	EN	Skin Irrit. 2

2. Nanoforms and microplastics – output of information

ChemGes now provides the automatic output of legally required additional information on nanoforms and microplastics (Amendment 2023/2055, Annex XVII, Entry 78) in the SDS.

For this purpose we have implemented new options and features. Further information on this new functionality can also be found in our video [Maintenance of Nanoforms and Microplastics in ChemGes](#) on our YouTube channel.

Maintenance of raw materials –Country specific information

Since detailed data on nanoforms and microplastics are usually very specific and, in some cases, only available from the original manufacturer, you can add information for your own substances in the *Maintenance of raw materials*, if necessary.

You can do this via the field **Nanoform and microplastics** of the screen *Country specific information*:

Country specific information

File Edit Database Help (61.0.15)

Physical data Additional physical-chemical values OELVs Toxicological values Substance listings Transport

Country specific information

1 Seveso III Qualified quantities: 5 t, 50 t, CAS 50-00-01 TA-Luft: 23 Type ☐ Class ☐ 24 ☐ 1 ☐ 2 ☐ 3 ☐ 4

Biocidal Products Regulation 2 Biocidal active substance ☒ 3 Nanomaterial ☒

4 Annex XVII REACH (Restrictions) 3, 28, 72, 75

5 Waste # 6 Waste hazards HP1, HP6, HP7, HP8, HP11, HP13

7 ECHA notification - Reference Number

8 Chemical Safety Assessment available ☒ ☒

9 Storage class (LGK) acc. to TRGS510 1

10 VbF BetrSichV Explosive

Water hazard class 11 12 Type List classification

13 The substance is subject to annex 2 of the ChemVerbotsV ☒

Groups: 14 Causing cancer I(2) 15 Pregnancy C 16 Mutative 5

17 Exposure peak limit 4

BAT values: 18 Parameter 19 Value 20 Unit 21 Material 22 Moment

27 Waste # 17.114 28 VbF

29 Waste # 30 FOPH information ☒

31 MAL Code 5-6

32 Factor 1 from 0,1% – 50.000, Hazard from 1% – 6

33 Factor 2 from 0% – 2.500, Hazard from 0,1% – 3

34 ABM Z(1) 35 Black list ☒

36 Waste 37 Designated 38 Workplace 39 Municipal

40 Fire Service Act III

41 RTECS # LP 8925000

42 Respiration filter BK

43 Customs tariff number 2912 11 00

44 Test tube Dräger

45 Substance groups for California Cleaning Product Right to Know Act

Registration 46 22-1234-XXX-XXXX, 22-2345-XXX-XXXX, 22-4567-XXX-XXXX 05-xxxxxxxxxxxx000, 123456789000

Pre-registration 47 Tonnage band 48 Deadline for registration 49 Pre-registered substance ☒

50 HMIRA numbers company 1: filed 21.01.2018/3.333, granted 21.02.2021/3.333, company 2: filed 21.01.2018/3.333, granted 21.02.2021/3.333

51 Nanoform and microplastics No nanoform, No microplastics

52 Special percentage limits for the SDS acc. to presettings --Use limit tables

OK

After clicking on this field, the following screen is displayed:

Texts on nanoforms and microplastics

File Edit Help (61.0.15)

2345-67-8 Sample raw material

1 Nanoform ☐ 2 Microplastics ☐ Corresponds to additional statement A11 and entry 78 of Annex XVII REACH

3 Type of polymer

Category Category containing amorphous nanoforms Category containing crystalline nanoforms with a precise crystal structure

Category containing crystalline nanoforms in which the individual nanoforms consist of particles containing more than one different crystal structure

Category containing partially crystalline nanoforms 4

Typical value Percentile

Number-based particle size distribution d10 5 6 d50 7 8 d90 9 10

Surface treated Surface-treated nanoforms Non-surface-treated nanoforms 11

Surface functionalization or treatment 12 Agents (agents) 13 Process

Form Spherical Elongated Tiles Multidimensional shapes 14

Structure Amorphous forms crystalline forms 15

Crystallinity Crystalline nanoform Amorphous nanoform 16

17 Aspect ratio

18 Surface-to-volume ratio

19 Surface-to-mass ratio

20 Analysis methods

21 Bibliographic information

22 Additional information on nanoforms

23 Water solubility or non-biodegradable

24 Intentional or technically unavoidable release planned ☒

25 Form of release

26 Monomers used to produce the polymer



27 Additional information on microplastics

28 Percentage of microplastics in the substance % (if not equal to 100%)

[Alt F3] Change language

[Esc] Exit

[Alt Delete] Deletion of all information for this substance.

As a first step, you can determine, whether the raw material is a nanoform (symbol ) and/or microplastic (symbol ). After doing so, you can select further data by clicking and enter substance specific information.

Note: You can also enter a group name in the field **Type of polymer** and set the output of this group name in the SDS via the item **Output of type of polymer (if available) instead of CAS**

number and substance name in the screen *Options for the output of substance information* (Maintenance programs – Safety Data Sheets).

Substance data (61.0.35)

Descriptions: 1 Product description for raw materials [Defined description for the SDS] 2 Use SDS substance description of your own language (if necessary) ☒ 3 Ingredient names in EU SDSs [standard description] 4 Substitute language for missing substance description [English]

Variants/product codes: 5 Transfer of variant information into the SDS ☒ 6 Store variant information when printing a customer SDS ☐ 7 Additional product codes [No output]

Official numbers: 8 Always write the letters CAS in front of the CAS number ☐ 9 CAS numbers of SDS descriptions with simultaneous marking as standard or as EU designation ☐ 10 Also show CAS numbers for substances with EC number > 900-000-0 ☐ 11 Also issue EC numbers outside the official ranges ☐

Section 3: 12 Limit for the treatment of the whole product as raw material [100 %] 13 Type of percentage [Use limit tables] 14 Percentage of proprietary descriptions ☒ 15 Decimals [4] 16 Adapt to legal limits ☐ 17 Output of special limits ☐ (always for SDS2021) 18 Show only if the specified percentage is ≥ the limit ☐ 19 Consideration of 1% limit for non-hazardous preparations ☐ 20 M factors ☐ (always for SDS2021) 21 Also output of 1 ☐ 22 Canc., muta. and repr. categories ☐ 23 One line per hazard symbol ☐ 24 Notas ☐

OELVs: 25 OELV and OEL-B values from [1,000 %] Additional OELV-limits [Complete names of legislations] 26 Also list substances with OELVs in section 8 in section 3 ☒ 27 In EU countries only consider EU limit values ☐

Tox values: Settings for toxicology

Endocrine substances: 28 Output of list II ☒ 29 Output of list III ☒

Output of microplastics: 30 Exact percentages [] 31 Number of decimal places [3] 32 Output of type of polymer (if available) instead of CAS number and substance description ☐

Other output options: Output of substances, from which the physical value has been taken over directly 33 EU ☐ (always for SDS2021) 34 Rest of the world ☐

[+, Esc] Exit

Example:

Texts on nanoforms and microplastics (61.0.15)

1234-56-7 Testrohstoff 1

1 Nanoform ☒ 2 Microplastics ☒ Corresponds to additional statement A11 and entry 78 of Annex XVII REACH

3 Type of polymer [Acrylic-based copolymer]

Category [Category containing amorphous nanoforms] [Category containing crystalline nanoforms with a precise crystal structure] [Category containing crystalline nanoforms in which the individual nanoforms consist of particles containing more than one different crystal structure] [Category containing partially crystalline nanoforms]

	Typical value	Percentile
Number-based particle size distribution d10	6-61 nm	
d50	10-110 nm	
d90	15-170 nm	

Surface treated [Surface-treated nanoforms] [Non-surface-treated nanoforms]

Surface functionalization or treatment 12 Agents (agents) [Methylsilane] 13 Process [Dip coating]

Form [Spherical] [Elongated] [Tiles] [Multidimensional shapes]

Structure [Amorphous forms] [crystalline forms]

Crystallinity [Crystalline nanoform] [Amorphous nanoform]

Aspect ratio [1,2]

Surface-to-volume ratio

Surface-to-mass ratio

Analysis methods

Bibliographic information [Internal Laboratory Study 2024]

Additional information on nanoforms [High thermal stability]

Water solubility or non-biodegradable

Intentional or technically unavoidable release planned ☐

Form of release [Powder]

Monomers used to produce the polymer [Butyl acrylate, styrene]

Additional information on microplastics

Percentage of microplastics in the substance [35 %] (if not equal to 100%)

[Alt F3] Change language [Required translations are automatically determined on exit]

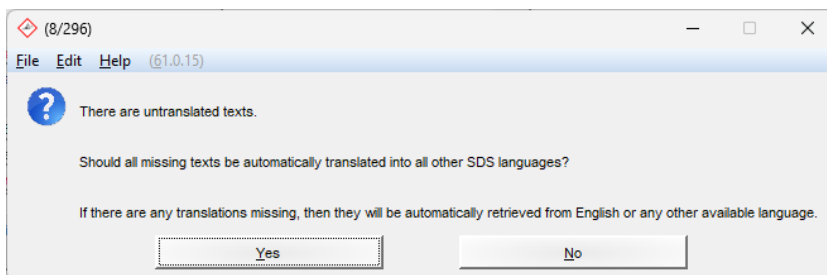
[Esc] Exit [Alt Delete] Deletion of all information for this substance.

Note on translations of the information displayed in this screen:

Information displayed as buttons is pre-translated. Simply click on the requested buttons to select the respective information for output in the SDS in the corresponding language.

If required, substance-specific information that you have entered in the text fields can

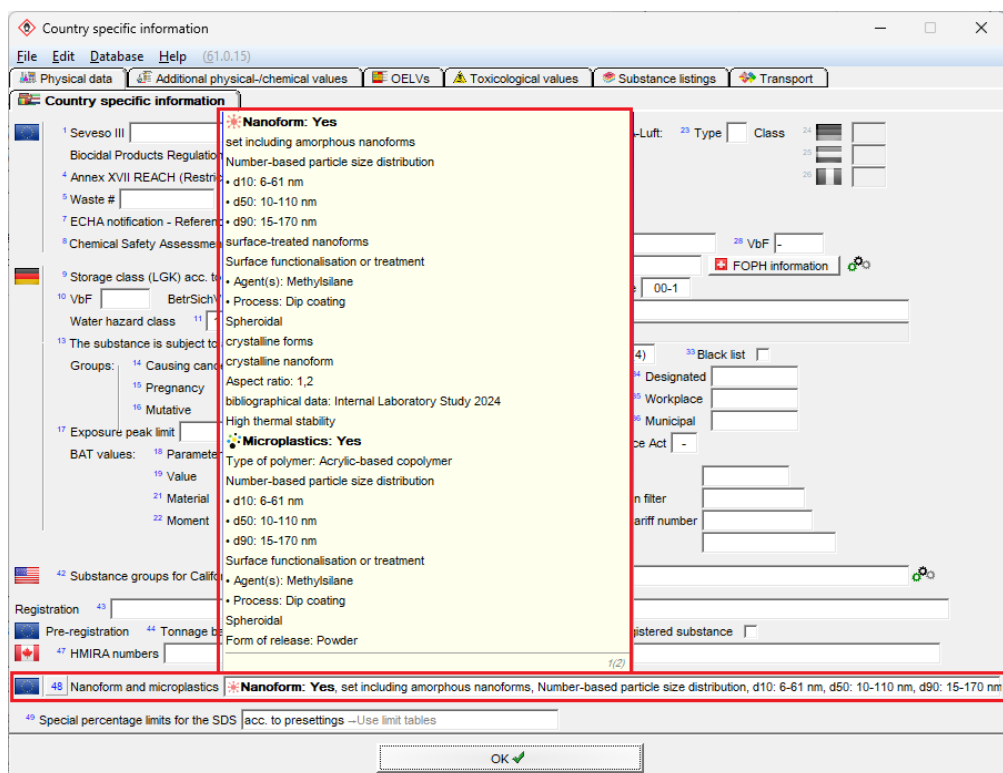
- either be translated automatically, when leaving the screen by pressing **[Esc]** (ChemGes will automatically display a query for this),



- or also entered manually in all required languages by means of **[Alt]** **[F3]** **Change language**.

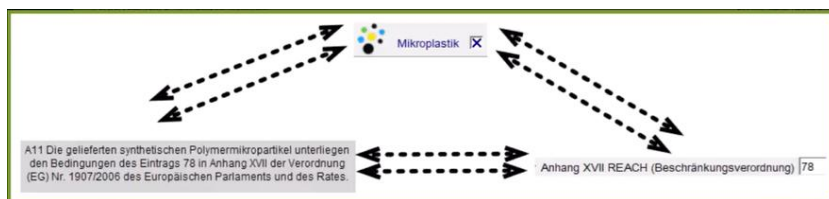
Please note that with automatic translation, digits, special characters and units are not translated, but are automatically adopted according to your input.

If you hover the mouse over the field **Nanoform and microplastics** after leaving the screen **Texts on nanoforms and microplastics**, ChemGes will display all entered information, as it appears in the SDS:



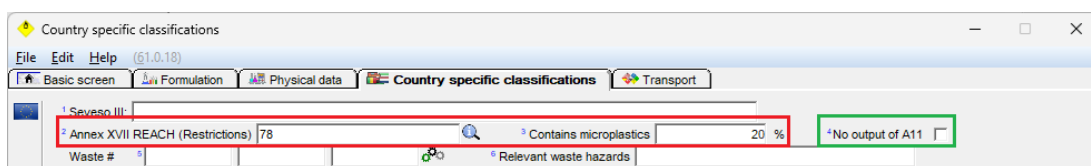
Microplastics:

Here, the administration is a bit more complex (A11 “*The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.*”, Annex XVII, entry 78).



Additional information for mixtures:

Manual changes to entry 78 and the microplastic content for mixtures can be made at any time in the screen **Country specific classifications**, using the following two fields (red marking). Additionally, you can **switch off the output of A11**.



If the microplastic content is set to zero, or entry 78 is removed, ChemGes automatically removes the corresponding information from the SDS.

For **labels for industry and trade** you can deactivate the output of A11 in *Maintenance programs – Labels – Basic settings*, item **Suppress A11 for industry and trade (remains in the SDS)**.

Output of the information in the SDS

The information is output automatically

- for **nanofoms** in SDS sections 1, 3 and 9. The output is done at a percentage of $\geq 0,1\%$ in the mixture, independent of whether they are mentioned in section 3 of the SDS.

UFI:
H500-W02Q-800E-TG6M

Nanoform

CAS: 1333-86-4	Amorpher Kohlenstoff
EINECS: 215-609-9	Self-heat. 2. H252
	Nanoform: Zahlenbasierte Partikelgrößenverteilung
	- d10: 6 - 61 nm
	- d50: 10 - 101 nm
	- d90: 15 - 178 nm
	Struktur: amorphe Formen
	Kristallinität: amorphe Nanoform
	Oberflächen-Masse-Verhältnis: 18 - 1200 m ² /g
	Das ist nur ein Beispieltext

Dampfdichte Nicht anwendbar.

Partikeleigenschaften Siehe Abschnitt 3.

- for **microplastics** in SDS sections 2 and 15.

P405 Unter Verschluss aufbewahren.

P501 Entsorgung des Inhalts / des Behälters gemäß den örtlichen / regionalen / nationalen / internationalen Vorschriften.

Zusätzliche Angaben:

Die gelieferten synthetischen Polymermikropartikel unterliegen den Bedingungen des Eintrags 78 in Anhang XVII der Verordnung (EG) Nr. 1907/2006 des Europäischen Parlaments und des Rates.

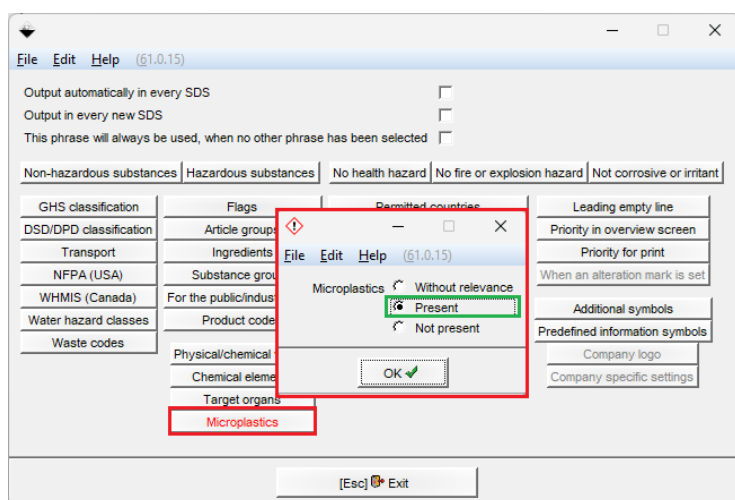
2.3 Sonstige Gefahren

Ergebnisse der PBT- und vPvB-Beurteilung

Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der oberen Klasse 500 t VERORDNUNG (EG) Nr. 1907/2006 ANHANG XVII Beschränkungsbedingungen: 3, 78 Zusatzinformationen zu Eintrag 78 Der geschätzte Gesamtanteil an Mikroplastik in der Zubereitung beträgt ca. 40%. Produkt in geschlossenen Systemen oder mit geeigneter Absaug-/Filtertechnik verarbeiten; Freisetzung in Boden/Abwasser/Oberflächengewässer vermeiden. Geräte/Oberflächen nach Gebrauch vorzugsweise mechanisch reinigen (z. B. Tücher); Rückstände als festen Abfall erfassen. Reinigungswasser separat sammeln und einer geeigneten Entsorgung zuführen; nicht in die Kanalisation einleiten. Produktreste und verunreinigte Verpackungen geschlossen sammeln, nicht ausspülen, rechtlich konform entsorgen.		
Synthetische Polymermikropartikel		
1234-56-7	Testrohstoff 1 Polymerart: Copolymer auf Acrylatbasis Zahlenbasierte Partikelgrößenverteilung - d10: 6-61 nm - d50: 10-110 nm - d90: 15 - 170 nm Oberflächenfunktionalisierung oder -behandlung - Agens (Agenzien): Methylsilan - Verfahren: Tauchbeschichtung Form: Kugelförmlich Freisetzungsform: Pulver Monomere, die zur Herstellung des Polymers verwendet wurden: Butylacrylat, Styrol Der geschätzte Gesamtanteil an Mikroplastik beträgt ca. 35%. Einsatz in Beschichtungen mit langzeitiger Stabilität	20,0%
2345-67-8	Testrohstoff 2	20,0%

Note – Output of information on microplastics:

To increase readability, information on **microplastics** is intentionally displayed in sections 2 and 15 of the SDS only. However, if necessary, you can create your own additional phrases and output them automatically in the SDS using the new output condition **Microplastics**.



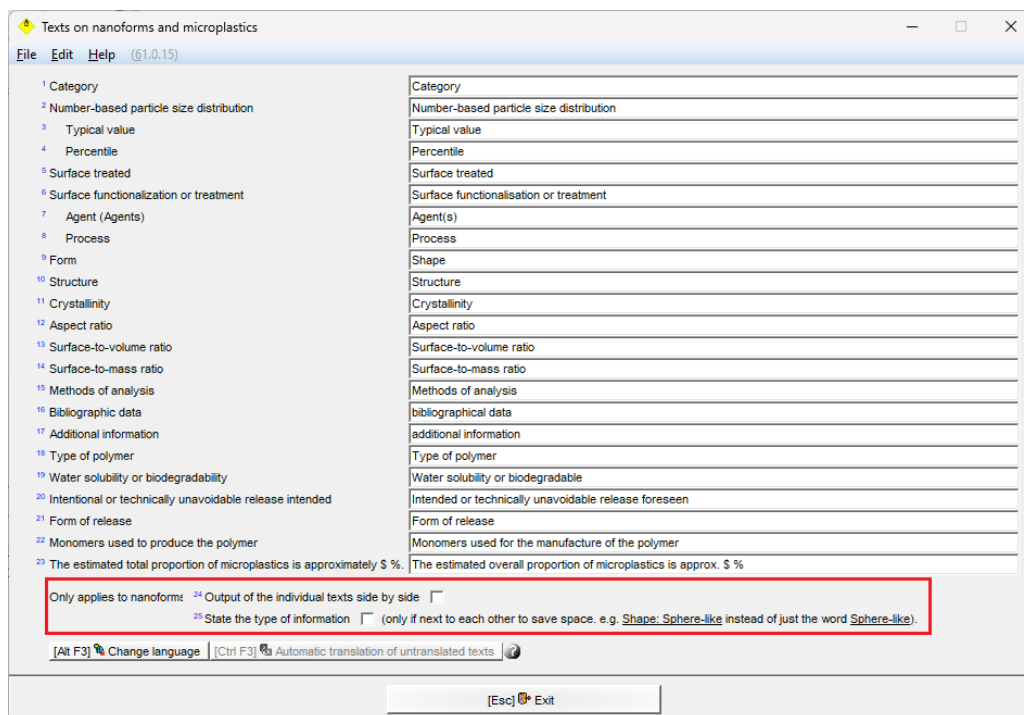
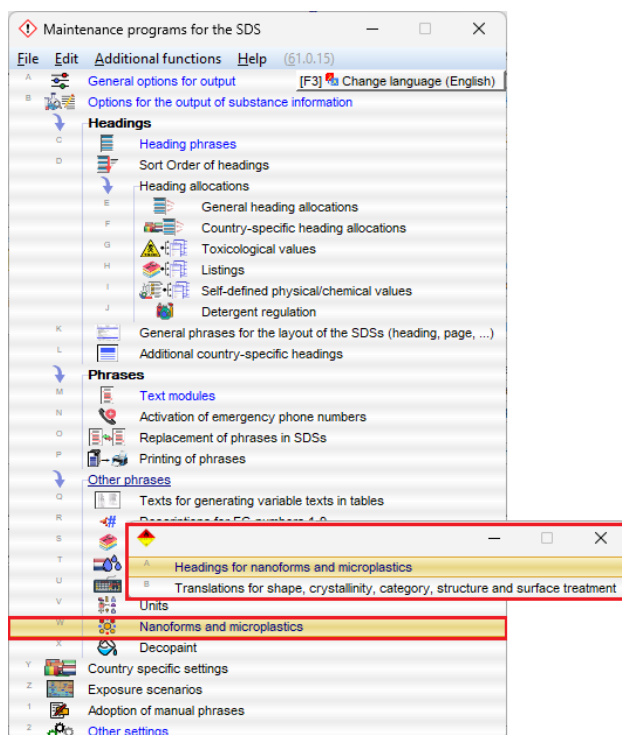
Substance list *SPM - Synthetic polymer microparticles*:

To facilitate the identification of the presence of microplastics, you can view this information via the substance list **SPM “Synthetic polymer microparticles”** in **[Ctrl] [L] Substance listings**.

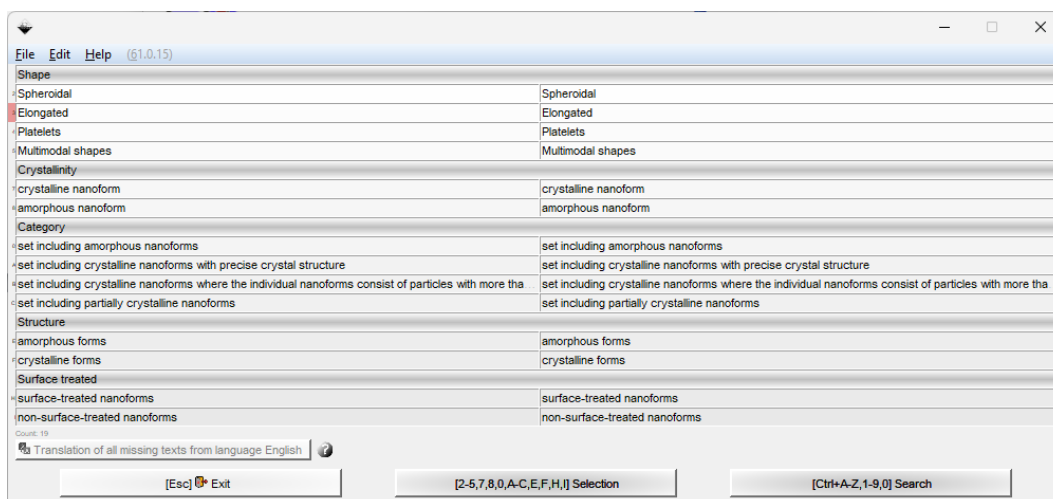
SPM	Synthetic polymer microparticles	>0 %	Yes/No	One substance is not i
vPvB	vPvB			
MAK	Maximale Arbeitsplatz-Konzentration			
APCL	Air Pollution Control Law			
Bio ECS	Biodegradation and Bioconcentration of Existing Substances			
CSRPN	Chemical Substances Relating to a Public Notice			
		Included substances		
		1234-56-7	Sample raw material 1	20%
		2345-67-8	Sample raw material 2	20%
		Missing substances		
		123-86-4	n-Butyl acetate	20%

Maintenance of phrases:

ChemGes provides two maintenance programs that enable you to edit and manage the headings and texts yourself. These can be found in *Maintenance programs – Safety Data Sheets – **Nanoforms and Microplastics***:

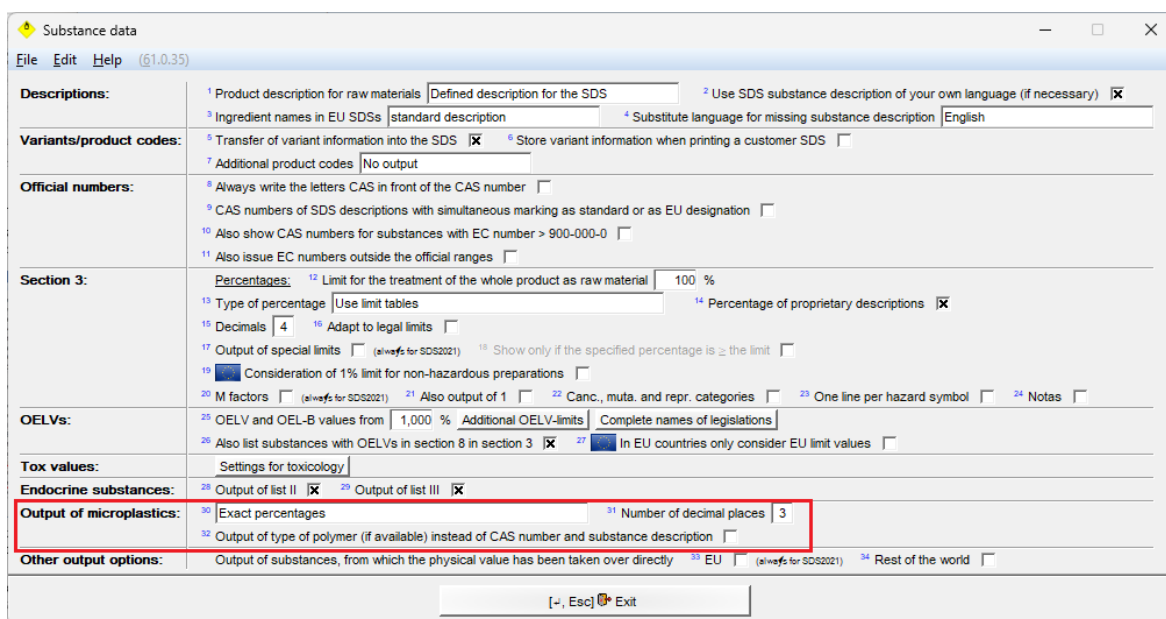


Using the last two options of this screen, you can define the space-saving output of the information for **nanoforms**.



Maintenance of limits for microplastics:

The screen *Options for the output of substance information* (*Maintenance programs – Safety Data Sheets*) was expanded with the item **Output of microplastics**:



Here you can set the output to be either as *exact percentages*, or according to the *Limit table SPM*. You can also define the **number of decimal characters** for the *exact percentages* here (default value: 3).

The **Limit table SPM** can be found in the screen *Predefined limit tables* (*Maintenance programs – Safety Data Sheets – Other settings*).

B. Data update

1. Occupational exposure limits and biological limit values

This update implements new and changed threshold values for Canada (EL), USA (ACGIH), and Germany (MAK).

2. Substance listings and Chemical Inventories

a) Existing substance lists

This update implements the amendments of the following national chemical inventories and substance listings:

- ADSL
- AIIC (*Australian Inventory of Industrial Chemicals*)
- SUSMP (*Australian Poisons Standard*)
- WGK-Liste (*AwSV*, Germany)
- DSL (*Domestic Substance List*, Canada)
- TSCA (USA)
- IARC (USA)
- PACs (USA)
- Prop65 (USA)
- SARA 313 (USA)
- SVHC (EU)
- vPvB (EU)
- EDC lists I, II, III (EU)
- POP (EU)
- KECI (Korea)
- ECDT (Thailand)
- HSL-DIW, HSL-DOA, HSL-FDA (Thailand)
- JISHA CARC, DSCG, DSCS, DSES, DSIS, HMRN1, HMRN2, HMRN3, SCR, SCS1, SI, (*Industrial Safety and Health Act*, Japan)
- MONII/III, BioECS, SCS, PACS, TTR (CSCL, *Chemical Substances Control Law*, Japan)
- PRTR23 (*Pollutant Release and Transfer Register Law*, Japan)
- PDSC-D (*Poisonous and Deleterious Substances Control*, Japan)
- OLP-S (*Ozone Layer Protection Act*, Japan)

b) New lists**"Railway Industry Substance List (RISL)"**

With this update the new substance list RISL was implemented in ChemGes (text list). The information is not automatically output, but you can define a heading if you wish to include this information in the SDS.

Maintenance of substance listings

File Edit Help (61.0.38)

Abbreviation RISL

1 Name of the substance listing Railway Industry Substance List

2 From country

3 Type of values Text Abbreviation explanations (0 entered)

4 Entries via EC/index number allowed ☒

Output in the SDS

5 Heading

6 Countries

7 Active ☒

8 Transfer of the substance from % 9 g/l 10 g/100 ml 11 g/kg 12 Substance specific limits permitted ☒

13 Output only if the substance is also shown in section 3 with the dangerous substances ☐

14 No output of the CAS number ☐

15 Percentage or quantity None ☒ Exact value ☐ Limits ☐

16 Output of the special phrase that none of the substances is listed ☒ Standard phrase: None of the ingredients is listed.

17 Output of the special phrase that all substances are listed ☒ Standard phrase: Substance is not listed.

18 When showing individual substances, only show the missing substances ☐

Maintenance of standard phrases Specific phrases for this heading only

19 Explanatory phrase for substances issued

20 Phrase that is also displayed elsewhere if no substance is shown

21 Countries

22 Used for California Cleaning Right to Know Act ☐

Excel file with preparations and all raw materials in this substance listing

Excel file with raw materials and the occurrence in all preparations

Import new values with file

[Esc] Exit [Alt Delete] Delete

Korea – CCA-TA, CCA-TC and CCA-TE

Due to legal amendments, the existing substance list CCA-TS is set as inactive and replaced by the following 3 Yes/No lists, which allow for more detailed information.

The output of a substance in the SDS is done, when the substance-specific content limit is reached.

Heading	List code	Heading text Korean	Heading text English
15.30.110.42	CCA-TA	유독물질 (인체급성유해성물질)	Toxic Substances (Acutely Hazardous to Humans)
15.30.110.44	CCA-TC	유독물질 (인체만성유해성물질)	Toxic Substances (Chronically Hazardous to Humans)
15.30.110.46	CCA-TE	유독물질 (생태유해성물질)	Toxic Substances (Ecologically Hazardous)

Japan CSCL:

With this update the substance listings under CSCL (*Chemical Substances Control Law*) are expanded.

The output of this information in the SDS is done as text list under the following headings:

Heading	List code	Heading text Japanese	Heading text English
15.33.101	CSCL-NACS1	化審法：新規公示化学物質 (2011年3月31日以前届出)	Japan CSCL: Newly Announced Chemical Substances (notified by March 31, 2011)
15.33.103	CSCL-NACS2	化審法：新規公示化学物質 (2011年4月1日以降届出)	Japan CSCL: Newly Announced Chemical Substances (notified on and after April 1, 2011)

3. GHS classifications and waste codes Korea

This update implements the GHS classifications (CCA-TA, CCA-TE and CCA-TC), as well as amended waste codes for Korea.

4. Transport regulations

The new and amended UN number designations for ADR 2025 were implemented in the following already available languages:

Estonian, Finnish, Greek, Hungarian, Latvian, Lithuanian, Turkish, Portuguese, Serbian and Slovenian

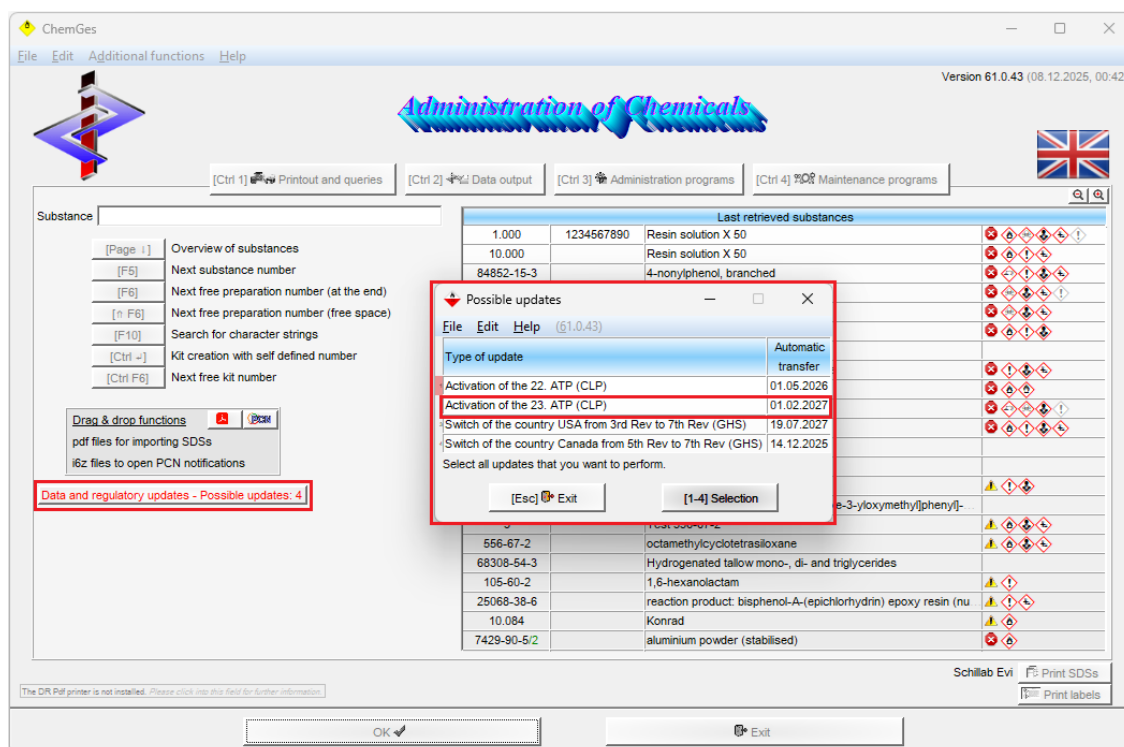
5. 2025/1222/EU - 23. ATP, CLP

This update implements the changes according to CLP (2025/1222/EU) in ChemGes.

These changes consist of the following:

- Adoption of changed and new classifications
- Adoption of new descriptions

You can activate the changes for EU countries anytime via the button **Data and regulatory updates - Activation of the 23. ATP (CLP)** in the basic screen. The automatic transfer will occur on 01 February 2027.



IMPORTANT INFORMATION FOR TRANSFER:

You can perform the transfer at any time.

If the query at the start of the transfer is answered with "NO", the transfer can be accessed at a later time.

Please note that the transfer **cannot be undone**.

Information after transfer:

Please be aware of possibly altered classification information for raw materials and mixtures.

The list of amended raw materials is output in the program directory (usually chem) as a text file (CAS 23.ATP.txt).

ChemGes provides several possibilities to produce lists of substances/preparations that have a changed classification (and thus a changed SDS) and to bulk update and print SDSs.

1) [Ctrl] [3] Administration programs – Classification programs – Reclassification of formulations:

This option opens a screen, where you can enter the default file name "CAS 23.ATP.txt" and its path in the field **File with CAS numbers**. In addition, this screen allows you to perform either a **test calculation** (generating a list) or a final **recalculation** (with or without protocol).

The screenshot shows the ChemGes software window with the following fields and options:

- Preparation numbers: 1 from [] 2 to []
- Product codes: 3 from [] 4 to []
- Article groups: 5 from [] 6 to []
- 7 Flags []
- 8 Excluding flags []
- Selection based on ingredients:
 - 9 Contained substance []
 - 10 File with CAS numbers [] (highlighted with a red box)
 - 11 From alteration date of a contained substance []
- 12 Only test calculation ☒ (highlighted with a red box)
- 13 Recalculation of locked H and P phrases ☐
- 14 Recalculation of locked preparations ☐
- 15 Print protocol ☒ (highlighted with a red box)
- 16 GHS version [12] EU 12. ATP
- 17 Additional options []

Buttons at the bottom: [Esc] Exit, [F10] Program start

First, select the item **Only test calculation** (default setting). Then, go to *File – Printer selection* (upper menu bar) and select any available printer software (Adobe PDF Writer or similar) to output the list of affected preparations as a pdf-file. The printed list includes all preparations containing the affected raw materials, with the classification information before and after the alteration, so that you can simulate the exact effects.

Once you are ready, you can run the reclassification without the option of the **test calculation**.

2) **Printout and queries – Safety Data Sheets:**

Go to **Printout and queries – Safety Data Sheets** and select the requested printing program for the bulk printing of SDSs (for example *SDSs chosen by different selection criteria*).

Output:

Select the desired printing program and go to *File – Printer selection*. Select any available printer software (Adobe PDF Writer or similar) to output the list of SDSs as pdf-files. Press **F10** to **start** the program.

6. European Waste Catalogue

With this update the amendments according to *Decision (EU) 2025/934* are transferred in all EU languages.