

ChemGes – Update 01/2025

Version 61.0

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 58.0 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 58.0 or higher to version 61.0**” 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 60.0.

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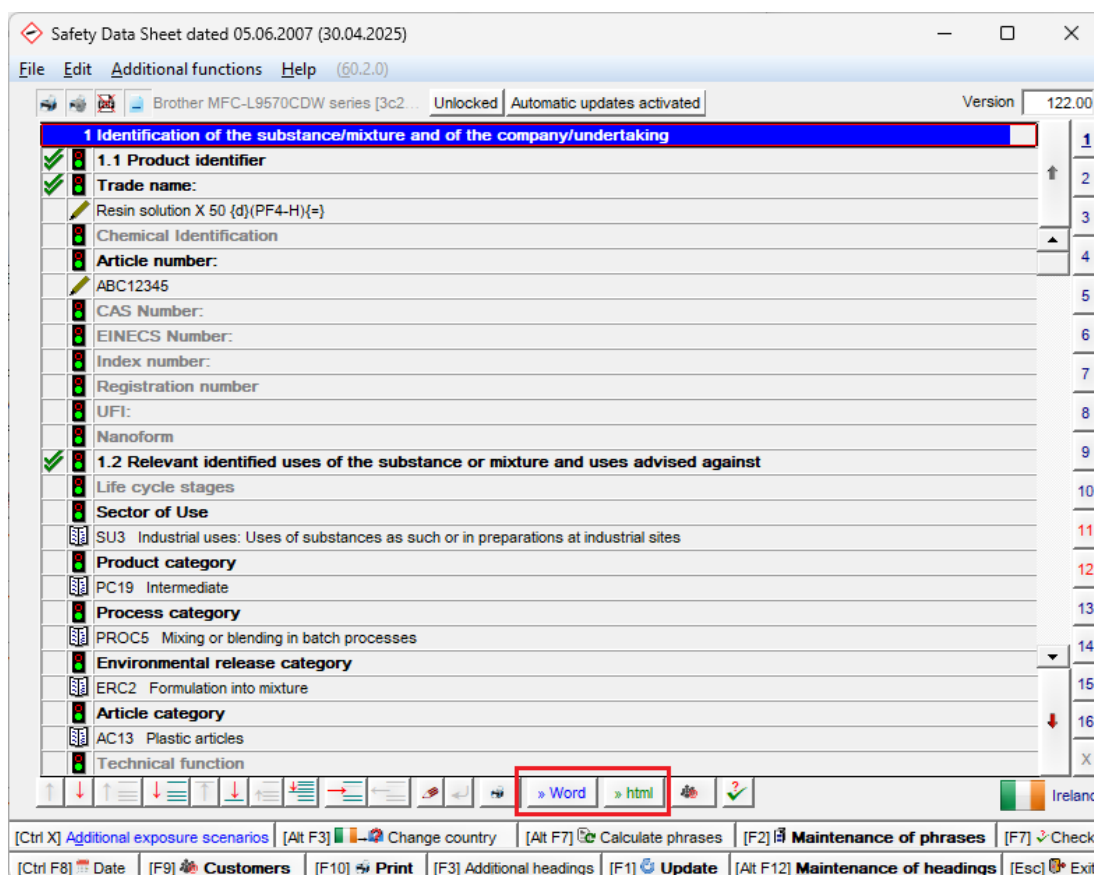
A. New tools and functions in ChemGes

1. Creation of documents in Word (.docx)- and HTML format

With this update, we have implemented another online service that will make your work much easier:

It is now also possible to select the output of the respective document (Safety Data Sheet, Label or Internal Plant Instruction) in **Word (.docx)-** or **HTML** format directly in the editing screen of documents (access via **[F8] SDS**, **[F6] Label** or **[F5] Internal Plant Instruction** in *Maintenance of raw materials/preparations*).

To select the desired format, press the corresponding button >>**Word** or >>**html** in the lower menu bar of the editing screens:



The created file will automatically open after the export.

Please note:

- **No bulk output:** Output in these formats is only intended for individual documents. Simultaneous bulk output of documents is not possible.
- **Font character encoding:** Output in *Thai* and *Hindi* is not possible due to technical problems with character encoding – thus, the output in Word (.docx)- and HTML format for these two languages is disabled.

- **No font embedding:** Unlike PDF format, it is technically not possible to embed fonts in Word or HTML files. This means: If a specific font is used in the document, it must also be installed and active on the target system – otherwise, Windows will automatically replace it with another font. In the best case, this substituted font can look similar without the difference being immediately noticeable – in the worst case, it will look strange at best. This is due to a system-inherent limitation of Microsoft formats, over which DR Software has no control.
- **Minor layout deviations:** Even with the greatest possible care, the layout of the generated Word or HTML file may differ slightly from the PDF version in some cases. This is caused by structural differences between the file formats: Word and HTML are dynamically structured, while PDF creates a precisely defined page image. In most cases, the display is identical. Where this is not the case, the cause lies in the technical characteristics of the target formats – not in an implementation error on our part.

These limitations are inherent properties of the Word and HTML technologies. We provide the best possible file conversion, but perfection in every special case is not guaranteed with open formats.

Please note that, contrary to PDF format, the export in Word format may result in differing formatting. These differences can affect, for example, page breaks, table layouts, line spacing, or the display of symbols and graphics.

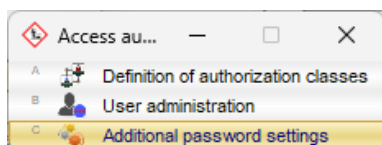
These formatting differences are by no means caused by ChemGes, but by the technical nature of the Word file format itself. In contrast to PDF, which fixes content as "ready for printing", the Word format is structured dynamically: Content is displayed differently, depending on the version of Microsoft Word, installed fonts, language settings, and even printer drivers. Our software has no influence on these factors.

Thus, we would like to explicitly point out that formatting issues in Word format are neither caused by ChemGes, nor can they be resolved by our support team. This is not a flaw of our software, but a known characteristic of the .docx format, which is ultimately designed for subsequent editing instead of finalized layouts.

If you value the absolutely reliable display of layouts, we still recommend using the PDF format. This format guarantees a consistent and unchangeable reproduction of the documents – regardless of the system or software version that is used.

2. Additional password settings

The menu **Access rights** (*Maintenance programs – access rights*) was restructured and supplemented with new options:



The new item **Additional password settings** includes the existing menu items **Validity period of passwords** and **Automatic program termination**, as well as new options for minimum requirements and validity of passwords. Below you will find a description of the individual items in this new screen:

3. Labels - Regulation (EU) 2024/2865

Regulation EU 2024/2865 brings extensive changes to the label requirements. In addition to the minimum size for the labels themselves, there are now also specifications regarding the minimum font size, use of fonts without serifs and line spacing.

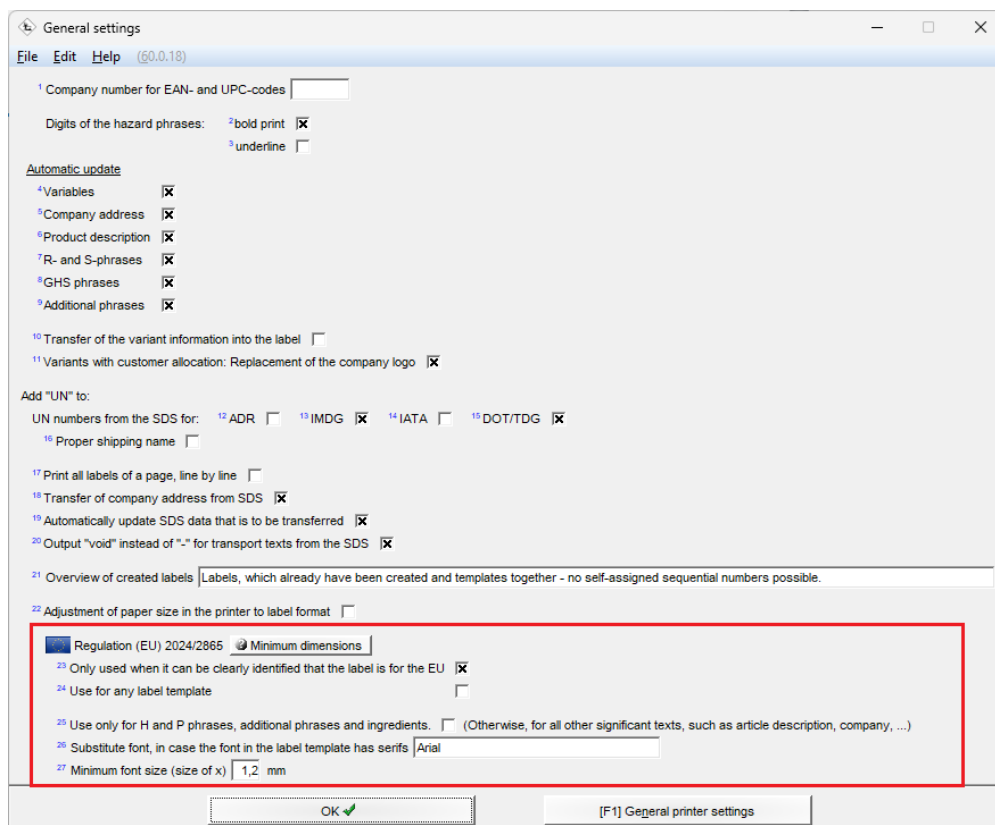
Table 1.3
Minimum dimensions of labels and pictograms and minimum font size

Capacity of the package	Dimensions of the label (in millimetres) for the information required by Article 17	Dimensions of each pictogram (in millimetres)	Minimum font size (x-height in millimetres)
Not exceeding 0,5 litres	If possible, at least 52×74	Not smaller than 10×10 If possible, at least 16×16	1,2
Greater than 0,5 litres but not exceeding 3 litres			1,4
Greater than 3 litres but not exceeding 50 litres	At least 74×105	At least 23×23	1,8
Greater than 50 litres but not exceeding 500 litres	At least 105×148	At least 32×32	2,0
Greater than 500 litres	At least 148×210	At least 46×46	2,0

These requirements apply from January 1, 2027, with a transition period until January 1, 2029 for substances and mixtures that were already placed on the market before January 1, 2027. However, if desired, you can implement these new requirements already now in ChemGes, with minimal effort:

For this purpose, the following new options have been implemented in the program:

1. Maintenance programs – Labels – Basic settings:



Here you can activate the automatic adaptation of the label templates to the new EU regulations at any time, in advance. Automatic activation will then take place in 2027.

You can specify here whether the settings should *only be used for EU labels* or *for all created label templates*.

Since many companies have specifications regarding the formatting of company-specific information, you can also define whether the settings shall only apply to legal texts (e.g. H- and P-phrases), or to all remaining relevant texts (e.g. company data) as well.

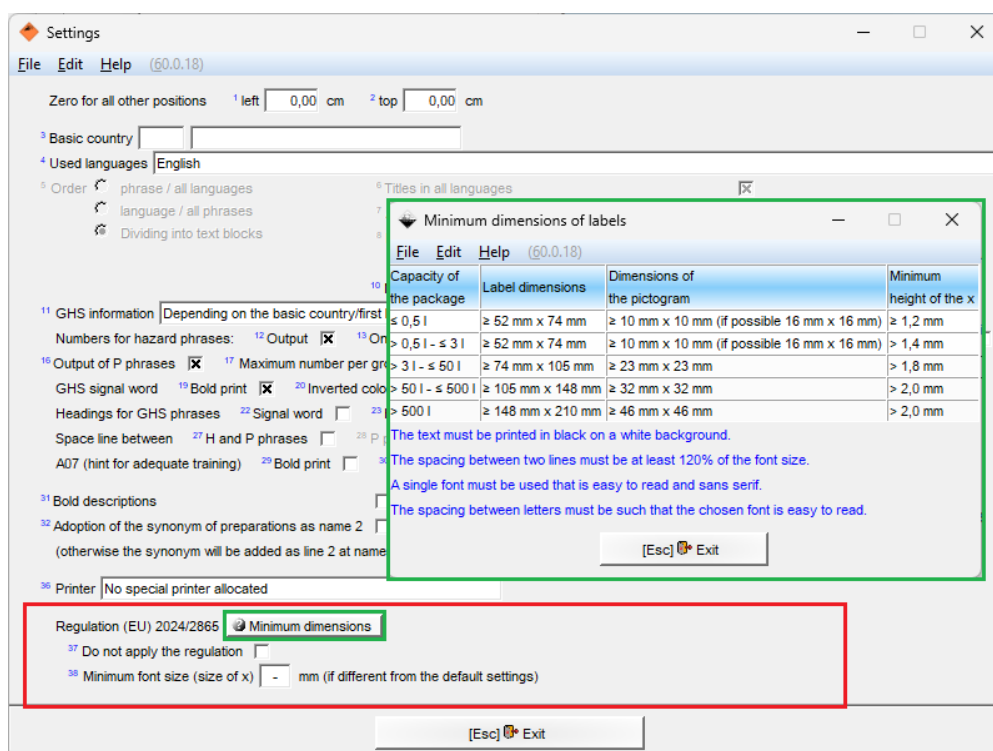
In addition to a substitute font without serifs (default: Arial), you can also specify a minimum font size here (default: 1.2 mm).

If the automatic adjustments are activated, the line spacing is automatically increased to the prescribed 120%.

2. Maintenance programs – Labels – Label templates:

If you do not want to use the general settings as described under **1.** for certain label templates, you have the option to set this individually in each label template:

The settings defined here then override the general settings.



Detailed information can also be found in the video [Automatic Label Adaptation to EU Regulation 2024/2865](#) on our YouTube channel.

4. Output of EC numbers on the SDS

Due to numerous customer requests, the screen **Substance data** (*Maintenance programs – Safety Data Sheets – Options for the output of substance information*) was expanded with a new option to enable the output of EC numbers outside the official ranges:

The screenshot shows the 'Substance data' window with the following sections and options:

- 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: ☐ (highlighted with a red box)
- 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: ☒ (allows for SDS2021)
 - ¹⁸ Show only if the specified percentage is ≥ the limit: ☐
 - ¹⁹ Consideration of 1% limit for non-hazardous preparations: ☒
 - ²⁰ M factors: ☒ (allows 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 %
 - ²⁶ Additional OELV-limits: Complete names of legislations
 - ²⁷ Also list substances with OELVs in section 8 in section 3: ☒
 - ²⁸ In EU countries only consider EU limit values: ☒
- Tox values:** Settings for toxicology
- Endocrine substances:**
 - ²⁹ Output of list II: ☒
 - ³⁰ Output of list III: ☒
- Other output options:**
 - Output of substances, from which the physical value has been taken over directly: ☐
 - ³¹ EU: ☒ (allows for SDS2021)
 - ³² Rest of the world: ☐

At the bottom, there is a button labeled '[-, Esc] Exit'.

B. Data update

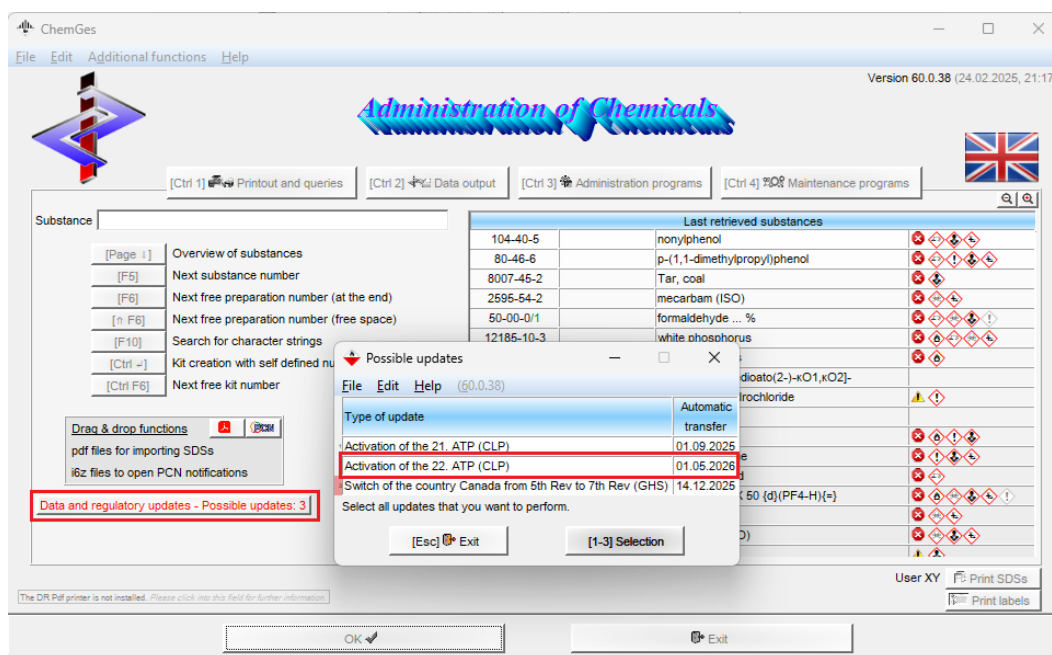
1. 2024/2564/EU - 22. ATP, CLP

This update implements the changes according to CLP (2024/2564/EU) in ChemGes.

These changes consist of the following:

- Adoption of changed and new classifications
- Adoption of new descriptions
- Adoption of new organ (nasal cavity)

You can activate the changes for EU countries anytime via the button **Data and regulatory updates - Activation of the 22. ATP (CLP)** in the basic screen. The automatic transfer is done on 01 May 2026.



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 22.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 program item opens a screen, where you can enter the default file name "CAS 22.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.

2. China – Transition to UN Rev 08

For China, the GHS texts and SDS requirements have been updated in accordance with the national transition to UN GHS Revision 8.

We would also like to point out that although China has performed the transition from UN Rev. 04 to UN Rev. 08 with GB 30000.1 化学品分类和标签规范 第1部分:通则 (*Rules for classification and labelling of chemicals—Part 1 General specifications*), the other relevant standards, such as G/B-T 16483 and Guidance GB/T 17519-2013 regarding the format and content of SDSs, remain valid and no officially published revision of these standards is currently available.

Since GB 30000.1 is scheduled to come into force on August 1, 2025, despite other standards not yet being revised, we have now implemented the adaptation based on UN GHS Rev. 08 in order to take these circumstances into account and to still ensure the implementation of Rev. 08 accordingly.

The screenshot shows the 'Maintenance of countries' window. Key fields include: Country (ChemGes-Code) RC, China; ISO-code CN; ISO Code CHN (3 characters); Flag [China]; Basic language Chinese; Special language (empty); EU-country (unchecked); Basic country (empty); GHS-classification type China; Based on GHS revision 8; Combined H-phrases (checked); Output of 'SDS available'-phrase, if necessary (unchecked); Deactivated GHS-categories (empty); Decimal character Period; Format of the date Standard; Example: 07.05.2025; Activation of safety data sheet for this country (checked); Settings for section 3 (expanded); Only ingredients with health and environmental hazards are shown (unchecked); Show classification of raw materials (checked); Output of the hazard types in SDS language (unchecked); Limit table to be used (acc. to presets); Adaptation to legal limit values (acc. to presets - Yes); Output of numbers (checked); CAS number (checked); EC number (EINECS) (unchecked); Index number (unchecked); RTECS (unchecked); Registration number (unchecked); Output of synonyms of substance descriptions (unchecked); Additional output of English synonyms (unchecked); Output of ingredients in section 2 instead of section 3 (unchecked); Output of all ingredients (including harmless ones) (unchecked); EU only: Specification of additional information (e.g. occurrence of OELVs) (Only if the raw material has no H phrases); Use strict EU rules (unchecked); Use special settings, which are otherwise only used for USA and Canada (unchecked); Output of hazard statements of raw materials and of the abbreviations in section 16 (unchecked); Occupational exposure limit values to be shown (OELV) (China); Output of the toxicology comments (unchecked); Celsius values also in Fahrenheit (unchecked); Sort order of headings in SDS (UN GHS Rev. 07 (74)); Archiving of safety data sheets (checked); Type of output (GHS); Template (China); Output of a second SDS for (empty). At the bottom, there are buttons for [Esc, -] Exit, [Alt Delete] Delete, [F7] Special SDS settings for China, and [F8] Country specific SDS headings.

3. Ukraine – Waste catalogue

This update implements the waste numbers and H and P codes according to **Постанова про затвердження порядку класифікації відходів та Національного переліку відходів, № 1102, 20.10.23** (*Resolution on approval of the procedure for waste classification and the National List of Waste*).

4. Occupational exposure limits and biological limit values

This update implements new and changed threshold values for Slovenia (MV, MV-RM, BAT, BAT-RM), Greece (TWA, BEI), Italy, Canada (BC, EL), Romania (VLM, VLBO), Austria (MAK, TRK), Japan (OEL, OEL-B), Poland, Sweden (AFS 2023:14), Switzerland (MAK, BAT), Denmark, the Netherlands, EU (BOELV), Iceland, Lithuania, Czech Republic, New Zealand, Spain (LEP, VLB), Finland (HTP, BNO), USA (ACGIH, BEI), Great Britain (BMGV), Croatia (BGV), South Africa (RHCAB) and Hungary (BEM).

5. Substance listings and Chemical Inventories

a) Existing substance lists

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

- GIS Codes
- PFA (*Perfluoroalkyl and Polyfluoroalkyl Substances*)
- GADSL
- AIIC (*Australian Inventory of Industrial Chemicals*)
- SUSMP (*Australian Poisons Standard*)

- WGK-Liste (AwSV, Germany)
- JISHA OSP2, OSP3, DSCG, DSCS, DSES, DSIS, DSOS, HMRN1*, SI, HSSC (*Industrial Safety and Health Act*, Japan)
- MONII/III, BioECS, SCS, PACS (CSCL, *Chemical Substances Control Law*, Japan)
- PRTR23 (*Pollutant Release and Transfer Register Law*, Japan)
- PRTR (*Pollutant Release and Transfer Register Law*, Japan)
- FSA-H, FSA-I, FSA-D (*Fire Service Act*, Japan)*
- MPCL (Japan)
- PDSC-D, PDSC-P (*Poisonous and Deleterious Substances Control*, Japan)
- APCL (*Air Pollution Control Act*, Japan)
- PICCS (the Philippines)
- SHPA (Singapore Health Products Act)
- DSL (*Domestic Substance List*, Canada)
- NDSL (*Non-Domestic Substance List*, Canada)
- TSCA (USA)
- IARC (USA)
- Prop65 (USA)
- EPA (USA)
- PACS (USA)
- RLP, RLWL (Red List USA)
- SVHC (EU)
- PBT, vPvB (EU)
- EDC lists I, II, III (EU)
- PIC (EU)
- HSNO (New Zealand)
- NZIoC (New Zealand)
- IECSC (China)
- CCA-TS, PS (Korea)
- SHPA (Singapore)
- PZZS (*Lijst van Potentieel Zeer Zorgwekkende Stoffen*, the Netherlands)
- ZZS (*Lijst van Zeer Zorgwekkende Stoffen*, the Netherlands)
- SZW - NIET limitatieve lijst van voor de voortplanting giftige stoffen: *NIET B* - Borstvoeding, *NIET O* - Ontwikkeling and *NIET V* - Vruchtbaarheid (Ministerie van Sociale Zaken en Werkgelegenheid, the Netherlands)

b) New lists

Japan JISHA-CARC

With this update the new list **JISHA-CARC** was implemented.

The output in the SDS is done as Yes/No list under the heading 15.35.111 がん原性物質（安衛則）（作業記録等の30年保存対象物質）[Carcinogenic Substances (Ordinance on Industrial Safety and Health) (subject to 30-year storage of work records, etc.)].

Japan JISHA-HMRN

*Furthermore, the existing JISHA-HMRN list was restructured and divided into the following 3 lists (sorted according to SDS limit) in order to implement the recent legal amendments in ChemGes already now (entries valid from 2026).

JISHA-HMRN1 - ISHA - Hazardous Materials Requiring Notification ($\leq 1\%$)

JISHA-HMRN2 - ISHA - Hazardous Materials Requiring Notification ($\leq 0,1\%$)

JISHA-HMRN3 - ISHA - Hazardous Materials Requiring Notification ($0\%, <0,1\%$)

The output in SDSs is done in text form under the following sub headings of 15.35.109 名称等を通知すべき有害物:

Heading	Japanese	English
15.35.109.10	表示(又は通知)の対象となる範囲 $\geq 1\%$	Range of Application for SDS $\geq 1\%$
15.35.109.20	表示(又は通知)の対象となる範囲 $\geq 0,1\%$	Range of Application for SDS $\geq 0,1\%$
15.35.109.30	表示(又は通知)の対象となる範囲 $> 0\%, > 0,1\%$	Range of Application for SDS $> 0\%, > 0,1\%$

Canada – Per- and polyfluoroalkyl substances (PFAS):

With this update the new listings according to *Schedule 1, Notice with respect to certain per- and polyfluoroalkyl substances (PFAS), Canadian Environmental Protection Act* in ChemGes was implemented.

The output in the SDS is done as Yes/No list under the heading 15.55.102 *Per- and polyfluoroalkyl substances (PFAS)*.

6. GHS classifications Korea

This update implements the GHS classifications for Korea (CCA-TS, CCA-PS).

7. Transport regulations

With the new regulations several changes to UN numbers will be made in 2025. Currently, the new regulations have not been published in all languages. Alterations will, of course, be implemented in ChemGes as soon as available.

Transitional period ends for ADR on 1 July 2025.

New UN numbers:

3551	1	SODIUM ION BATTERIES
3552	1	SODIUM ION BATTERIES CONTAINED IN EQUIPMENT
3552	2	SODIUM ION BATTERIES PACKED WITH EQUIPMENT
3553	1	DISILANE
3554	1	GALLIUM CONTAINED IN MANUFACTURED ARTICLES
3555	1	TRIFLUOROMETHYLTETRAZOLE-SODIUM SALT IN ACETONE
3556	1	VEHICLE, LITHIUM ION BATTERY POWERED
3557	1	VEHICLE, LITHIUM METAL BATTERY POWERED
3558	1	VEHICLE, SODIUM ION BATTERY POWERED
3559	1	FIRE SUPPRESSANT DISPERSING DEVICES
3560	1	TETRAMETHYLAMMONIUM HYDROXIDE AQUEOUS SOLUTION

Amended UN number designations:

1835	1	TETRAMETHYLAMMONIUM HYDROXIDE AQUEOUS SOLUTION
3292	1	BATTERIES, CONTAINING METALLIC SODIUM OR SODIUM ALLOY
3292	2	CELLS, CONTAINING METALLIC SODIUM OR SODIUM ALLOY

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

German, Danish, English, French, Croatian, Dutch, Norwegian, Polish, Russian, Spanish, Swedish, Slovakian and Czech

Brief overview of further changes:

- Batteries: New UN numbers for batteries (UN 3551, 3552, 3556, 3557, 3558), revised UN 3171 and Special provisions SP 188, 230, 296, 328, 360, 376, 377, 388, 636, 666, 667, 668, 669, 670, 677 and new packing instructions P912, LP03
- Carriage of wastes, for example, regarding packaging of waste (section 4.1.1.5.3), carriage of asbestos (SP 678)

- Regulations for *Limited quantities (LQ)*, training requirements for drivers (addition of section 8.2.3 in section 3.4.1)
- Documents, that shall be carried on the driver's cab of the transport unit: sections 8.1.2.1, 8.1.2.2