

## ChemGes – Update 01/2024

Version 59.0

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 normal 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 56.0 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](http://www.dr-software.com) – *Downloads* – “**Update from version 56.0 or higher to version 59.0**” 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](mailto: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 58.0.

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# A. New tools and functions in ChemGes

## 1. Options for the output of substance names

The screen *Options* (*Maintenance programs - Safety Data Sheets - General options*) was expanded with the item **Ingredient names in EU SDSs**:

The screenshot shows the 'Options' dialog box with the following sections and settings:

- When retrieved:**
  - When new: ☐ Lock automatically: ☐ Offer copying possibility: ☒ Always apply the alteration date in all languages: ☐
  - Automatic print preview if the user has read-only rights: ☒ Create missing country version automatically: ☐
- Descriptions:**
  - Product description for raw materials: ☒ Defined description for the SDS: ☐ Use SDS substance description of your own language (if necessary): ☒
  - Ingredient names in EU SDSs: ☒ standard description: ☐ Substitute language for missing substance description: English
- Variants/product codes:**
  - Transfer of variant information into the SDS: ☒ Store variant information when printing a customer SDS: ☐
  - Additional product codes: No output
- Kits:**
  - Printout of a cover sheet: ☒ Write additional product codes in the cover sheet: ☐
- CAS numbers:**
  - Always write the letters CAS in front of the CAS number: ☐
  - CAS numbers of SDS descriptions with simultaneous marking as standard or as EU designation: ☐
  - Also show CAS numbers for substances with EC number > 900-000-0: ☐
- Classification:**
  - Codes: H phrases: ☒ P phrases: ☒ Additional GHS phrases (EUH): ☒
  - Additional output of labeling in section 15: ☒ Always output H phrases of the same class in multiple lines: ☐ (e.g. H335-H336)
- Section 3:**
  - Percentages: Limit for the treatment of the whole product as raw material: 100 %
  - Type of percentage: Use limit tables
  - Decimals: 4 Adapt to legal limits: ☒
  - Output of special limits: ☒ Show only if the specified percentage is ≥ the limit: ☐
  - Consideration of 1% limit for non-hazardous preparations: ☐
  - M factors: ☒ Also output of 1: ☐ Canc., muta. and repr. categories: ☐ One line per hazard symbol: ☐ Notas: ☐
- OELVs**
  - OELV and OEL-B values from: 1,000 % Additional OELV-limits: Complete names of legislations
  - Also list substances with OELVs in section 8 in section 3: ☒ In EU countries only consider EU limit values: ☒
- Tox values:**
  - Settings for toxicology: ☐
- Endocrine substances:**
  - Output of list II: ☒ Output of list III: ☒
- Waste code:**
  - Output of group names: ☒ Output of hazardous properties of waste: ☒
- Transport**
  - DOT/TDG: For: USA Canada Canada with French USA
  - IMDG: All
  - ADR: All
  - IATA: All
- TA-Luft:**
  - Output of water content: ☒ Use limits instead of exact percentages: ☒
- Exposure scenarios:**
  - Raw materials: ☒ Preparations: ☒ Start new page for the exposure scenario: ☐
- Other output options:**
  - Output of abbreviations and acronyms in section 16 of the GHS SDS: ☒
  - Country code on SDS: ☒ (only possible with lines around the SDS)
  - Flashpoint of preparations: Exact
  - Output of substances, from which the physical value has been taken over directly: EU Rest of the world

This option enables you to define, whether the *standard description* (S marking), or the *description according to CLP* (EU marking) shall be output in SDSs for EU countries.

## 2. Retrieving PCN dossiers in IUCLID 6

Due to numerous customer requests we would like to draw your attention to the following function:

ChemGes offers you a very easy-to-use option to display a readable HTML report.

For this simply drag and drop a single PCN dossier (\*.i6z) in any screen of ChemGes. This starts the Report API and a readable report in html format is displayed.

We also provide an information video on our YouTube channel at

[Retrieving PCN dossiers in IUCLID 6, with ChemGes](#)

Name

Änderungsdatum

Typ

Größe

PCN\_ATU20509000\_782\_52405\_321846\_Product ABC\_1234 AB.i6z

28.05.2024 13:48


I6Z-Datei


81 KB


ChemGes

File Edit Additional functions Help

Version 58.1.14 (28.05.2024, 02:51)







[Ctrl 1] Printout and queries

[Ctrl 2] Data output

[Ctrl 3] Administration programs

[Ctrl 4] Maintenance programs

Substance

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]

[Page 1] Overview of substances

[F5] Next substance number

[F6] Next free preparation number (at the end)

[n 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

108-88-3/1	Toluene				
1.000	ABC12345	Resin solution X 50 (d)(PF4-H)(=)			
8028-48-6		Orange juice oil			
50-00-0/1		formaldehyde			
24342-03-8		isobutyl but-3-enoate			
123-31-9		1,4-dihydroxybenzene			
115937-89-8		ipconazole (ISO)			
115850-69-6		ipconazole (ISO)			
203574-04-3		α-hydro-ω-[[[(1,1-dimethylethyl)dioxy]carbonyloxy]-poly[oxy]			
111-41-1		2-(2-aminoethylamino)ethanol			
111-46-6		2,2'-oxybisethanol			
103694-68-4		3-(2,2-dimethyl-3-hydroxypropyl)toluene			
55-63-0/2		[>40 % phlegmatiser]			
693-21-0/1		oxydiethylene dinitrate			
693-21-0/2		[>25 % phlegmatiser]			
32536-52-0		diphenylether; octabromo derivate			
32534-81-9		diphenyl ether, pentabromo			
76253-80-6		dichloro[(dichlorophenyl)methyl]methylbenzene, mixed isome			
99688-47-8		bromobenzylbromotoluene, mixture of isomers			
RL79L3		DNT (common name not adopted by ISO)			

The DTP PDF printer is not installed. Please click into this field for further information

User XY Print SDSs

Print labels

OK

Exit

[Ctrl B] Activation of the 21. ATP (for Europe) - automatic transfer on 01.09.2025

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## B. Data update

### 1. Occupational exposure limits

This update implements new threshold values for Germany (TRGS 900), Belgium, Czech Republic, the Netherlands, Ukraine, Australia, Hungary, the USA, Switzerland, Croatia, Iceland, Denmark, Slovenia, Spain, Ireland, Latvia, France, Estonia, Lithuania, Norway and Canada (BC).

### 2. Substance listings and Chemical Inventories

#### a) Existing substance lists

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

- GADSL
- AIIC (Australian Inventory of Industrial Chemicals)
- SUSMP (Australia)
- WGK-Liste (AwSV, Deutschland)
- JISHA OSP1, OSP2, OSP3, SMCS (*Industrial Safety and Health Act*, Japan)
- MONII/III, PACs, BioECS, SCS, TTR (CSCL, *Chemical Substances Control Law*, Japan)
- FSA (Fire Service Act, Japan)\*
- MPCL (Marine Pollutant Control Law, Japan)
- WPCA (Water Pollution Control Act, Japan)
- APCL (Air Pollution Control Act, Japan)
- PDSC-D, PSDC-P (Poisonous and Deleterious Substances Act, Japan)
- TSCA (USA)
- IARC (USA)
- PACs (USA)
- RL, RLWL, RLP (*Red List*, USA)
- Prop 65 (USA)
- DSL (Domestic Substance List, Canada)
- IECSC (VR China)
- CCA-TS, CCA-RS and CCA-PS (*Chemical Control Act* Korea)
- KECI (Korea)
- NZIoC and HSNO-Codes (New Zealand)
- SPA (*Poisons Act*, Singapore)
- SHPA (*Health Products Act*, Singapore)
- HSL (Hazardous Substance List, Thailand)

- 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)
- PZZS (*Lijst van Potentieel Zeer Zorgwekkende Stoffen*, the Netherlands)
- ZZS (*Lijst van Zeer Zorgwekkende Stoffen*, the Netherlands)

**\*Information on Fire Service Act:**

The already existing substance listing **FSA** in ChemGes was divided into the following 3 listings and the new substance list **FSA-H** was expanded with information on the hazard categories. Simultaneously, the former substance listing **FSA** was set to inactive (no output in the SDS, but the listing remains included in the database for reference purposes).

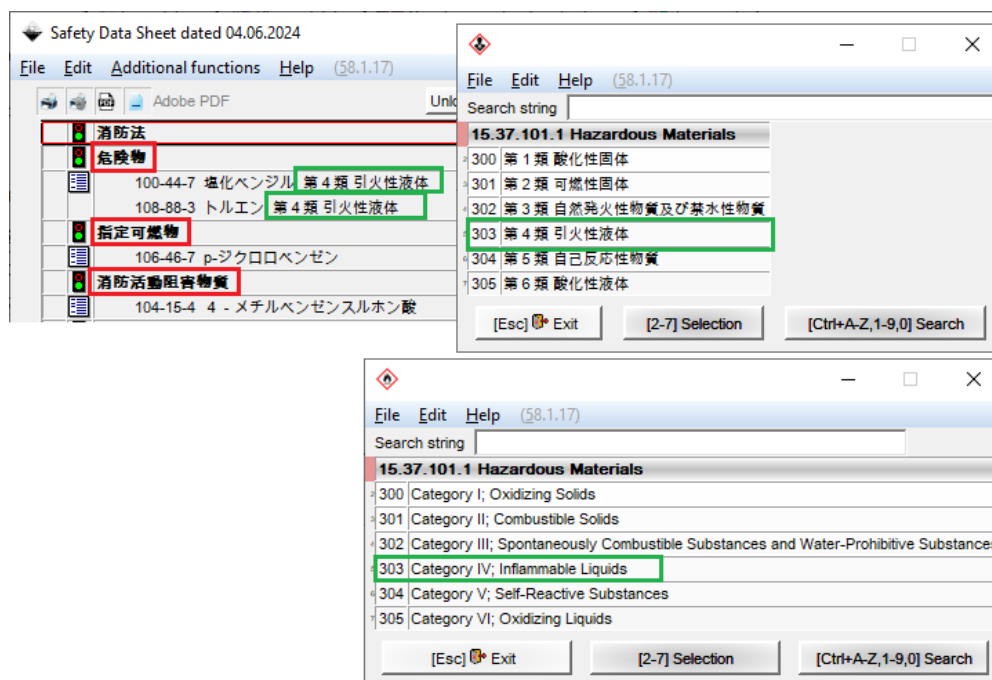
Country	Abbr.	Description of the listing	Content	in the SDS from
Japan	CSRP	Chemical Substances Relating to a Public Notice	<input type="checkbox"/>	>0 %
	ENCS	Existing Chemical Substances	3-39, 3-102	>0 %
	FSA-D	Fire Service Act - Designated Flammable Goods	<input type="checkbox"/>	>0 %
	FSA-H	Fire Service Act - Hazardous Materials	Category IV; Inflamma	>0 %
	FSA-I	Fire Service Act - Substances that inhibit firefighting activities	<input type="checkbox"/>	>0 %
	FSA	Inactive listing - Fire Service Act	<input checked="" type="checkbox"/>	>0 %

List code	Output SDS Japan under heading number	Japanese	English
FSA-H	15.37.101.1	危険物	Hazardous Materials
FSA-D	15.37.101.2	指定可燃物	Designated Flammable Goods
FSA-I	15.37.101.3	消防活動阻害物質	Substances that inhibit firefighting activities

**Hazard categories for FDA-H:**

Category name - Japanese	Category name - English
第1類 酸化性固体	Category I; Oxidizing Solids
第2類 可燃性固体	Category II; Combustible Solids
第3類 自然発火性物質及び禁水性物質	Category III; Spontaneously Combustible Substances and Water-Prohibitive Substances
第4類 引火性液体	Category IV; Inflammable Liquids
第5類 自己反応性物質	Category V; Self-Reactive Substances
第6類 酸化性液体	Category VI; Oxidizing Liquids

Sample for the output in the SDS:



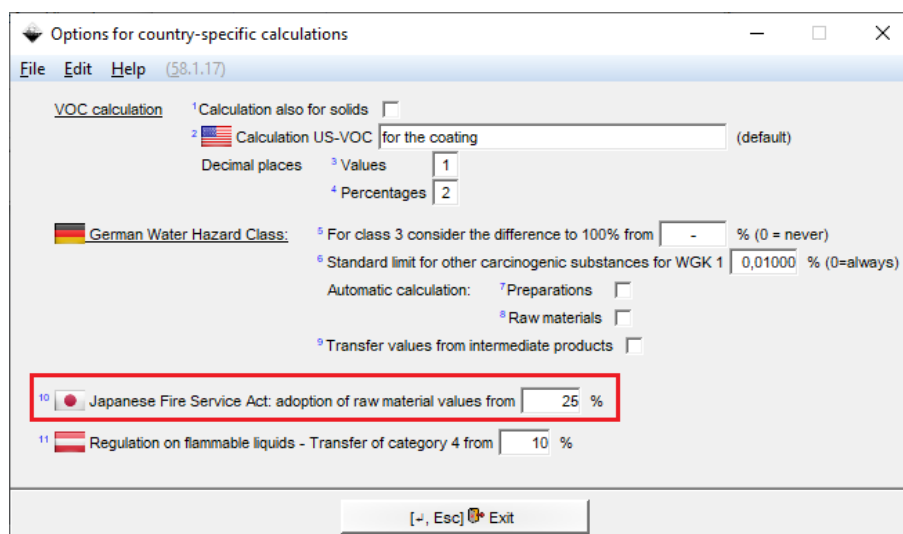
### Information on the calculation – FSA- Hazardous materials:

#### Raw materials:

Manually entered (locked) values remain to have priority. Substance-specific values according to the substance listing **FSA-H** have priority over the calculation from the GHS classification.

#### Mixtures:

The new substance-specific values defined in the substance listing **FSA-H** are also taken into account at the consideration of the components. However, here manual changes remain to have priority as well. The adjustable consideration limit for the classes of the components (default value: 25% in *Maintenance programs – Program adjustments – Settings for the calculation of country specific values*) remains valid.



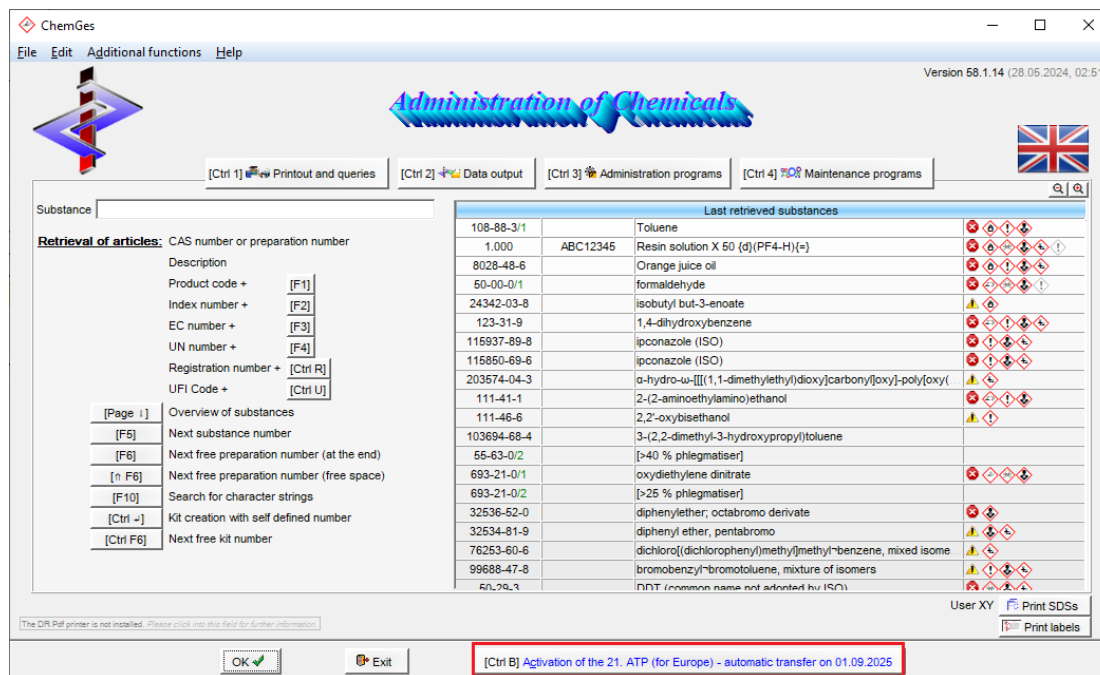
### 3. CLP (2024/197/EU)

This update implements the changes according to CLP (2024/197/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 **[Ctrl] [B] Activation of the 21. ATP (for Europe)** in the basic screen. The automatic transfer is done on 01.09.2025.



#### 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 21.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 21.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).



Preparation numbers: <sup>1</sup> from  <sup>2</sup> to

Product codes: <sup>3</sup> from  <sup>4</sup> to

Article groups: <sup>5</sup> from  <sup>6</sup> to

<sup>7</sup> Flags

<sup>8</sup> Excluding flags

Selection based on ingredients:

<sup>9</sup> Contained substance

<sup>10</sup> File with CAS numbers

<sup>11</sup> From alteration date of a contained substance

<sup>12</sup> Only test calculation ☒

<sup>13</sup> Recalculation of locked H and P phrases ☐

<sup>14</sup> Recalculation of locked preparations ☐

<sup>15</sup> Print protocol ☒

<sup>16</sup> GHS version  EU 12. ATP

<sup>17</sup> Additional options

[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.

## 4. CLP (2023/707/EU)

### Information on 2023/707/EU:

- Newly adopted classes 3.11. *Endocrine disruptor for human health*, 4.2 *Endocrine disruptor for the environment*, 4.3 *Persistent, bioaccumulative and toxic* and 4.4 *Persistent, mobile and toxic* with the following categories:

Class / Category	Hazard code	Signal word	Hazard statement	Precautionary statements
3.11/1	ED HH 1	Danger	EUH380	P201-P202-P263-P280-P308+P313-P405-P501
3.11/2	ED HH 2	Warning	EUH381	P201-P202-P263-P280-P308+P313-P405-P501
4.2/1	ED ENV 1	Danger	EUH430	P201-P202-P273-P391-P405-P501
4.2/2	ED ENV 2	Warning	EUH431	P201-P202-P273-P391-P405-P501
4.3/PBT	PBT	Danger	EUH440	P201-P202-P273-P391-P501
4.3/vPvB	vPvB	Danger	EUH441	P201-P202-P273-P391-P501
4.4/PMT	PMT	Danger	EUH450	P201-P202-P273-P391-P501
4.4/vPvM	vPvM	Danger	EUH451	P201-P202-P273-P391-P501

3.11	<b>Endokriner Disruptor mit Wirkung auf die menschliche Gesundheit</b>										
	-										Keine Gefahr
	1										EUH380 Kann beim Menschen endokrine Störungen verursachen.
4.2	<b>Endokriner Disruptor mit Wirkung auf die Umwelt</b>										
	-										Keine Gefahr
	1										EUH430 Kann endokrine Störungen in der Umwelt verursachen.
4.3	<b>Persistent, bioakkumulierbar und toxisch</b>										
	-										Keine Gefahr
	PBT										EUH440 Anreicherung in der Umwelt und in lebenden Organismen einschließlich Menschen.
4.4	<b>Persistent, mobil und toxisch</b>										
	-										Keine Gefahr
	PMT										EUH450 Kann lang anhaltende und diffuse Verschmutzung von Wasserressourcen verursachen.
											EUH451 Kann sehr lang anhaltende und diffuse Verschmutzung von Wasserressourcen verursachen.

- Newly adopted EUH-phrases EUH380, EUH381, EUH430, EUH431, EUH440, EUH441, EUH450 and EUH451, as well as hazard codes ED HH 1, ED HH 2, ED ENV 1, ED ENV 2, PBT, vPvB, PMT and vPvM in all EU languages.
- Adoption of the corresponding allocations EUH440 (PBT) and EUH441 (vPvB) for SVHC-listed substances (see **Notes** below).

Since, up to this point, Annex VI of the CLP Regulation does not contain any entries with the new EUH phrases as defined in Regulation 2023/707/EU, this provides the possibility of allocating substances that have been clearly identified as being subject to these hazard classes. The source for these allocations is the Candidate list of SVHC substances, which includes these properties as listing criteria.

Note: Since the SVHC list does not include the properties PMT and vPvM as criteria, no allocations for EUH450 and EUH451 were made. The same applies to Category 2 of endocrine disruptors (Categories 3.11/2, 4.2/2 - EUH381 and EUH431).

### Notes on EUH440 and EUH441:

Newly adopted information in Annex III Part 1:

- (c) if the hazard statement EUH441 “Strongly accumulates in the environment and living organisms including humans” is assigned, the statement EUH440 “Accumulates in the environment and living organisms including humans” may be omitted;
- (d) if the hazard statement EUH451 “Can cause very long-lasting and diffuse contamination of water resources” is assigned, the statement EUH450 “Can cause long-lasting and diffuse contamination of water resources” may be omitted.’

New substance listing “*EDC cat - SVHC data for regulation (EU) 2023/707*”

This substance list includes all substances from the Candidate list of SVHC substances, which are listed with the criteria PBT resp. vPvB.

**Maintenance of substance listings**

File Edit Help (58.1.18)

Abbreviation EDC\_cat

1 Name of the substance listing SVHC data for regulation (EU) 2023/707

2 From country EU EU

3 Type of values Text Abbreviation explanations (0 entered)

Exists - Yes/No

4 Entries via EC/index number allowed ☒

**Output in the SDS**

5 Heading

6 Active ☒

7 Countries

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.

Standard phrase: Substance is not listed.

17 Output of the special phrase that all substances are listed ☒ Standard phrase: All substances have the value S.

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

### New option **Adopt classification of classes according to Regulation (EU) 2023/707 (EDC, PBT, vPvB) from SVHC data:**

Via this new setting in *Maintenance programs – Program adjustments – Classification options* you can activate the classification of the new classes according to Regulation (EU) 2023/707.

**General classification options**

File Edit Help (58.1.18)

Limits for the data transfer without calculation: 1 Hazard statements 100 % 2 Safety instructions 0 %

Classification: Automatic classification: GHS/DPD 3 Always, when a preparation is retrieved ☒ 4 When a new preparation is created ☒ 5 After alterations ☒

Transport 6 Always, when a preparation is retrieved ☒ 7 When a new preparation is created ☒ 8 After alterations ☒

9 Consider limits for each hazard separately ☐

Special limits: 10 Consideration only for CLP classification ☐

11 Consideration limit if the special limit is below the standard consideration limit New consideration limit = special limit

Classification settings for toxicology Classification settings for corrosive and irritant effect

12 In the case of non-liquid raw materials in liquid preparations, suppress hazards that exist only with inhalation ☐ (Default value for new preparations)

Products are made with a viscosity 13 < 20.5 mm<sup>2</sup>/s at 40°C ☒ 14 < 7mm<sup>2</sup>/s at 40°C ☒

15 Only consider the metal content of the raw material ☐

Aerosols: 16 Do not consider propellant gases ☐ 17 CLP, automatically for US and CA GHS

17 Particles aspiratable (H304) ☒ 18 Consideration limit for H304 (excluding special limits) 0,00 %

Suppress GHS04 when symbols GHS02 or GHS06 are present: 19 CLP ☒ 20 US/CA ☐ 21 Rest of the world ☐

22 US/CA/UN Rev. 3 23 Aerosols should also be classified as gases at pressures below 29 psig ☐

24 Default category when classified as gas under pressure Compressed gas

24 CA: Do not show H280 for labeling ☐

25 Activation 19th and 20th ATP (Notes 11 and 12 for boron compounds) ☐ (will be activated automatically on February 1st, 2025)

26 Adopt classification of classes according to Regulation (EU) 2023/707 (EDC, PBT, vPvB) from SVHC data ☒

Labeling: Maximum number of hazard triggers: 27 UN-GHS 4/10 28 CLP 4/10 29 US,CA-GHS 4/10 30 Sensitizing substances 20

31 CLP: Labeling with H410 for H400+H411, H400+H412 and H400+H413 ☐ (does not correspond to the CLP)

32 If corrosive to the skin, do not show eye irritation ☐

EUH phrases: 33 Show 'Only for commercial users' phrase for Germany

34 Only output EUH 211 if spraying/splattering has also been selected ☐

35 Consideration of the OELVs for 'SDS available phrase' Only from EU members

Safety instructions: Maximum: 36 UN-GHS 6 37 CLP 6 38 US,CA-GHS 99 (Phrases with priority 1 are always output, Korea=6)

39 At least one phrase per group ☐ always activated for Korea 40 Remove duplicates ☒ 41 Sort order Automatic

42 Defaults: For the public ☒ (Leads to output of P101 - P103) 43 Industry and commerce ☒

44 After modified classification message when going into SDS or label ☐

45 GHS classification only after recalculation or other changes ☐ (in case of performance problems)

46 Overwrite locked classifications when adopting official CLP classifications ☒ 47 Also for non-EU countries ☐

[Esc] Exit

**Transitional periods:**

Classification and labeling of raw materials	as of 01 May 2025
Classification and labeling of raw materials, <i>which were placed on the market before 1 May 2025</i>	transitional period until 01 November 2026
Classification and labeling of mixtures	as of 01 May 2026
Classification and labeling of mixtures, <i>which were placed on the market before 1 May 2026</i>	transitional period until 01 May 2028

**5. Ukraine – GHS**

This update implements the GHS texts and substance names according to *Технічний Регламент класифікації небезпечності, марнування та пакування хімічної продукції* (Decree No. 539, 10.05.2024) in ChemGes.

**6. Cosmetics Regulation – amendments**

This update implements the changes according to Regulation (EU) 2023/1545 for the labelling of fragrance allergens according to Annex III in cosmetic products in ChemGes.

For this purpose the substances subject to these requirements were directly allocated to the already existing substance group „*allergenic fragrances*“ (Detergents Regulation). In addition to that, the substance-specific names in English (and, where available, language-specific), where required and stated in the Regulation, were implemented in ChemGes. Furthermore, the new marking *Allergenic fragrances* (marking F) was added.

The screenshot displays the 'Maintenance of raw materials' window in ChemGes. The window has a menu bar (File, Edit, Additional functions, Database, Help) and a toolbar. Below the menu bar, there are input fields for CAS number (8028-48-6), Index number, and EC number (232-433-8). A list of substances is shown, including 'Orange juice oil', 'CITRUS DULCIS', 'Citrus aurantium dulcis (Orange) oil', 'Citrus aurantium var. dulcis', and 'Citrus sinensis (L.) Osbeck'. The 'Standard' column is set to 'INCI (general)'. Below the list, there are fields for Product code, Variant (No variants created), Main substance (No main substance is assigned and this substance is not the main substance for other substances.), Flag, and Article group. The 'Substance groups' field is highlighted with a red box and contains the value 'allergenic fragrances'.

The 'Types of marking' dialog box is also shown, listing various marking types: S (Standard description), M (Description for the SDS), I (Internal description), T (Transport description), E (Main description from the EU-list), A (Additional description from the EU-list), N (INCI description (cosmetics)), C (Chemical description), and F (Allergenic fragrance). The 'F Allergenic fragrance' option is highlighted with a red box.

The output is done with the substance-specific name in the *Data sheet according to the Cosmetics Regulation*, the *Data sheet for the public* and the *Data sheet for medical personnel*.

In the SDS the output is done at the product declaration according to Regulation (EC) No 648/2004 on detergents (heading 2.40.30).

## 7. GHS classifications Korea

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

## 8. DOT

With this update the new and amended UN number descriptions according to DOT have been implemented.