

EuPhraC

Working Group
European Phrase Catalogue
www.euphrac.eu

ESCom

Working Group Phrases
of Cefic aisbl
www.cefic.be

EuPhraC / ESCom Release Information

Since version 1.4, the ESCom and EuPhraC projects share a common release cycle of two revisions per year (each spring and autumn). Results are published in sync and under the same version number.

EuPhraC/ESCom Version 4.1

13.05.2019/24.08.2019:

ESCom Release 4.1: Overall, 46 phrase proposals have been received. 4 of the proposed phrases have been rejected. Most of the phrase proposals (36 phrases) have been submitted by ESIG. This 36 new proposals are ES section 1, related to the ESIG GES Scope phrases. In addition, 2 standard phrases have been submitted related to FEICA SCEDs, 3 phrases related to conditions of use and 1 phrase on exposure estimation. All new phrases were submitted via the [on-line proposal tool](#). The proposals were reviewed and accepted following the procedures of the ESCom phrase working group. The so-called XPATH mapping for version 4.1 of the ESCom standard phrase catalogue is available for download from the [Cefic website](#). The XPATH mapping supports IT providers in the import of the ESCom standard phrases in their systems.

As a result, version 4.1 of the ESCom standard phrase catalogue contains 2557 phrases, 1744 of which are active phrases, and 813 are inactive.

The next release of the ESCom catalogue is planned for December 2019.

EuPhraC Release 4.1:

Order of structure codes top nodes in EuPhraC 4.1 remains unaltered

Same major changes w.r.t. SDS in different legal areas:

- EU: Introduction of new structure for Classification and Labelling according to CLP, ATP 12
- UN-GHS (topnode 02.): update and precision of Acute Toxicity Classes
- Hazcom Standard (topnode 03.): 1 hazard class and 2 other hazards added

Details on EU Safety Data Sheet phrases (top node 01.)

Section 1:

- subsection 1.3 "Uses advised against": introduction of 3 new general phrases
- subsection 1.4 "Remark": 2 phrases w.r.t. to exposure scenario information and (non)existence of an annex to SDS

Section 2:

- Hazard Class “Desensitized Explosives” and categories added
- new codes added or changed according to ATP 12:
 - * P503 added;
 - * P103, P210, P212, P280 changed
 - * P305+P351+P338 corrected (only for German, due to BauA recommendation)
 - * inclusion of UN GHS codes H206, H207, H208 and H232
- other labelling phrase added (wrt greenhouse gases)
- 7 phrases for target organs/affected body parts added

Section 3: Phrase for “CAS Online Inventory Name” added

Section 6: 3 new phrases for methods for containment and cleaning up

Section 7:

- subnode “Protective measures”: 4 new phrases for local exhaust ventilation types
- phrase for storage class LGK 4.2
- phrase for reference to section 8.3
- GISCODE: Original Codes realigned with last official document published by Gisbau

Section 8:

- Occupational exposure limits: 11 phrases for Norwegian area added
- phrase for reference to section 7 included

Section 11:

- two new “non-classification” nodes with substructure have been included: “Sexual function and fertility” and “Developmental toxicity”
- one phrase wrt weight of evidence approach/genotoxicity
- 25 new phrases for test methods

Section 14: transport phrase “Excepted Quantities (EQ)” added

Section 15: 2 new phrases for national inventory (NDSL; EHSNR) added

Number of new phrases: 88

EuPhraC/ESCom Version 4.0

06.12.2018/08.02.2019:

ESCom: Overall, 16 phrase proposals have been received. Most of the proposals (12 phrases)

have been submitted by Concawe. All are section 2 phrases, related to the Concawe Use Map. 10 Phrases have been accepted, the decision on 2 phrases is still pending (requires agreement within the Use Map Developers Group). 4 Phrases have been rejected. • In addition 2 phrases have been added related to punctuation. • For one phrase the metadata have been updated. For this phrase the status has been changed from A (Active) to C (Changed). • The standard phrase catalogue has been reviewed for spelling consistency. This has resulted in 35 edits to existing standard phrases. • All new phrases were submitted via the on-line proposal tool. The proposals were reviewed and accepted following the procedures of the ESCom phrase working group. • The so-called XPATH mapping for version 4.0 of the ESCom standard phrase catalogue is available for download from the Cefic website. The XPATH mapping supports IT providers in the import of the ESCom standard phrases in their systems. Overall, the changes from version 3.1 to 4.0 consist of 12 new phrases and edits to 35 existing phrases. As a result, version 4.0 of the ESCom standard phrase catalogue contains 2515 phrases, 1702 of which are active phrases, and 813 are inactive.

EuPhraC:

Changed order of structure codes top nodes in EuPhraC 4.0 as compared to Release 3.1 (as related to the combined tree including EuPhraC and ESCom modules):

- [01. Safety Data Sheet according to Regulation (EC) No. 1907/2006
- 02. Safety Data Sheet according to UN-GHS (“Safety Data Sheet according to other legal areas” in EuPhraC 3.1)
- 03. Safety Data Sheet according to Hazard Communication Standard (HCS) - **new**
- 04. Annex to the extended Safety Data Sheet (ext. SDS) - 03. in EuPhraC 3.1
- 05. Chemical Safety Report - (04. in EuPhraC 3.1)
- 06. Units, Prefixes, Punctuation etc. - (05. in EuPhraC 3.1)
- 07. Lists - (06. in EuPhraC 3.1)]

Section 1: EuPCS: 240 new phrases related to the European product categorisation system 1.0, used for description of the “intended use of a mixture” for which a submission has to be made according to Article 45 and Annex VIII. These product categorisation codes are maintained by ECHA and can be subject to change upon request. The categories are for the moment only published in English - translations will be provided by ECHA in 2019 and included in the EuPhraC databases as soon as available.

Section 2: Addition of H- and P statements as related to ATP 2 in order to complete the history of GHS phrases. The artificial original codes assignments “.<ATP 8” as introduced in Release 3.1 have been removed. Furthermore, the variant numbers for parametrized GHS codes have been discarded.

Sections 1,2,3,5,8,13: 19 new “nano” phrases

Section 7: new GISCODES have been added (12)

Section 8: new phrases for DIN/EN standards w.r.t. personal protective equipment (27)

Section 12: new phrases for ecology and species (51)

Section 14: 19 new phrases for transportation carrier relevant segregation groups

Section 15: Inventories: some phrases for national laws have been added

03.: Safety Data Sheet according to Hazard Communication Standard (HCS); Section 15: 16 phrases for new section headers as well as 51 new phrases related to national and regional regulations, in particular to NFPA categories (hazard codes as related to the hazard diamond) and personal protection (HMIS)

06.: 14 new measure units

18183145000: „Extremely flammable gas. May react explosively even in the absence of air.“ Duplicate of 18183144600, can be ignored (will be deleted/replaced for next version)

Overall: 7.665 phrases, 535 additional phrases as compared with Release 3.1

EuPhraC/ESCom Version 3.1

EsCom:

05.11.2017/26.03.2018:

EsCom: Section 1 standard phrases (Title Section): 5 new title phrases have been added to this section (1 originating from ESIG, 5 from ECPA). A small part of the existing section 1 phrases (so-called “scope” phrases) is still under review, pending discussions with sector organizations. The review is expected to be fully finalized with the next release of the catalogue. Section 2 standard phrases (Conditions of Use): 7 new phrases have been added (2 related to AFD (Amounts, Frequency, Duration), 3 to PC (Product Characteristics), 1 to OOC (Other Operational Conditions) and 1 to PPE (Personal Protection Equipment); furthermore 2 phrases in the catalogue have been re-activated and for 6 phrases the option to contain a value and unit has been added (change of metadata). Section 3 standard phrases (Exposure Estimation): the catalogue has been extended with 7 new phrases: 5 new SPERC phrases and 2 new phrases on sub-models in the ConsExpo tool. Section 4 standard phrases (Guidance to DU): the review of these phrases has been postponed so far due to insufficient clarity on the application of scaling for conditions in exposure scenarios. A review of these phrases has been planned for the next release. All new phrases were submitted via the [on-line proposal tool](#). The proposals were reviewed and accepted following the procedures of the ESCom phrase working group. The so-called XPATH mapping for version 3.1 of the ESCom standard phrase catalogue is available for download from the [Cefic website](#). The XPATH mapping supports IT providers in the import of the ESCom standard phrases in their systems.

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Overall, the changes from version 3.0 to 3.1 consist of 19 new phrases, 2 reactivated phrases and 6 phrases for which the metadata have changed. As a result, version 3.1 of the ESCom standard phrase catalogue contains 2503 phrases, 1690 of which are active phrases, and 813 are inactive.

EuPhraC:

Changed order of structure codes top nodes in EuPhraC 3.1 as compared to Release 3.0 (relates to the combined tree including EuPhraC and ESCom modules):

01. Safety Data Sheet according to Regulation (EC) No. 1907/2006

02. Safety Data Sheet according to other legal areas (02. UN-GHS + 03. ANSI Z.400-1 in EuPhraC 3.0)

03. Annex to the extended Safety Data Sheet (ext. SDS) - 04. in EuPhraC 3.0

04. Chemical Safety Report - (05. in EuPhraC 3.0)

05. Units, Prefixes, Punctuation etc. - (06. in EuPhraC 3.0)

06. Lists - (07. in EuPhraC 3.0)

156 new phrases have been added, among them 2 GISCodes and 2 variants of GHS statement P501

Section 15: - 22 new phrases for Special Labelling; 70 phrases for Substance List, Annex I added (related to: Zwölfte Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (Störfall-Verordnung - 12. BImSchV), Anhang I, Stoffliste) - TRGS Technische Regeln für Gefahrstoffe: 36 new rules and 21 new phrases for section headers and subheaders added.

GHS Codes that changed after GHS Rev. 5 (ATP 8) were assigned an original code conveying the information “.<ATP 8” in order to identify the old wordings but distinguish them from the updated ones. This relates to 38 instances for simple and combined GHS statements.

EuPhraC/ESCom Version 3.0

19.05.2017/07.07.2017:

EsCom: Section 1 standard phrases (Title Section): no changes for section 1 phrases. A small part of the existing section 1 phrases are still under review, pending discussions with sector organizations. The review is expected to be fully finalized with the next release of the catalogue. Section 2 standard phrases (Conditions of Use): one TOM phrase was added related to the environmental target group. Section 3 standard phrases (Exposure Estimation): the catalogue has been extended with a phrase for the new ECPA LET v3.0 tool. Section 4 standard phrases (Guidance to DU): the review of these phrases has been postponed so far due to insufficient clarity on the application of scaling for conditions in exposure scenarios. The only two phrases that have been

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added to the catalogue resulted from phrase proposals submitted via the on-line proposal tool. The proposals were reviewed and accepted following the procedures of the ESCom phrase working group. The XPATH mapping for version 3.0 of the ESCom standard phrase catalogue is available for download from the [Cefic website](#). The XPATH mapping supports IT providers in the import of the ESCom standard phrases in their systems.

Overall, the changes from version 2.3 to 3.0 consist of 2 new phrases. As a result, version 3.0 of the ESCom standard phrase catalogue contains 2484 phrases, among them 1669 active phrases, and 815 inactive phrases.

EuPhraC:

There are only 16 new phrases, among them some very important ones for Section 1 of the SDS as with regard to Art. 58 (3.2) of Regulation (EU) 528/2012 on biocidal products ("Nano", "Contains biocidal products.") and Regulation (EC) 2017/542 amending Art. 45 of CLP ("Unique Formula Identifier", "Product category"). 5 of the new phrases pertain to exclusionary criteria for (acute) inhalation toxicity in Section 2.

The structure of Section 13 "Disposal considerations" including references to the Directives 2008/38/EC and 2006/11/EC has been comprehensively revised. This also applies to the waste codes/ waste designation according to EWC/AVV which are now represented under 13.01.01.01.04 as well as being appended as list in 07.

EuPhraC/ESCom Version 2.3

22.12.2016/23.12.2016:

ESCom: - Section 1 standard phrases (Title Section): number of new phrases very limited, a small part still under review by sector organizations - Section 2 standard phrases (Conditions of Use): first set of phrases for measures based on qualitative assessments; to be further extended in the next release. Decision: no development of phrases for measures to control physicochemical risks, except one referring to the relevant main body sections of the SDS - Section 3 standard phrases (Exposure Estimation): a limited number of section 3 phrases to support the use of Chesar has been included. - Section 4 standard phrases (Guidance to DU): review of phrases postponed until there is sufficient clarity on the application of scaling for conditions in exposure scenarios. - Only one phrase has been added to the catalogue in response to phrase proposals submitted via the on-line proposal tool. This proposal was reviewed and accepted following the procedures of the ESCOM phrase working group. The Xpath mapping for ESCom R 2.3 will be made available from the Cefic website.

Changes from version 2.2 to 2.3 of the ESCom standard phrase catalogue: 17 new phrases, 2 modifications of existing phrases and inactivation of 5 phrases. As a result, Version 2.3 contains:

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2482 phrases, among them 1667 active phrases and 815 inactive phrases.

EuPhraC:

The overall order of structure code top nodes 01-07. was not changed.

The 46 new phrases of this release basically relate to Section 14.08 Transport, Additional information related to different transport conditions and carriers, dangerous goods in excepted quantities, packing groups and bulk container categories. Furthermore, some few measure units such as ppmv (parts per million by volume) and N (Newton) have been added, and the fine-grained dose rate BMD10 was included for risk assessment in Section 11 as well as LL50 for extending the range of effect dose/concentration in Section 12.

A number of duplicates of the previous have been removed/replaced, in particular in the method part of Section 12, as well as categories and technical functions of ECHA guidance on Use description.

A work-in-progress proposal for a structural revision of Section 13 "Disposal consideration" including references to the Directives 2008/38/EC and 2006/11/EC was not yet implemented but, will be taken into account for the next Release of the EuPhraC phrase catalogue. This new structure will also contain the waste codes/ waste designation according to EWC/AVV which are now appended as list in 07.

EuPhraC/ESCom Version 2.2

01.07.2016/15.07.2016:

EsCom: - Section 1 standard phrases (Title Section): has been amended with phrases expressing the technical function of substances. The technical function expressions as published in the ECHA guidance on Use description (R12, version 3.0, December 2015) were adopted as new ESCOM phrases. A part of the existing section 1 phrases still need review after discussions with sector organizations. - Section 2 standard phrases (Conditions of Use): only some minor changes; - Section 3 standard phrases (Exposure Estimation): a selection of phrases for expressing details of the ART (Advanced REACH Tool) worker safety assessments have been included. - Section 4 standard phrases (Guidance to DU): review of phrases postponed until there is sufficient clarity on the application of scaling for conditions in exposure scenarios. - Some ten new phrases have been added to the catalogue in response to phrase proposals submitted via the on-line proposal tool. The proposals were reviewed and accepted following the procedures of the ESCOM phrase working group.

Phrases in ESCOM catalogue	Number of phrases
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2.2	
Active phrases	1650
Inactive phrases	815
Total	2465
New phrases	130
Modified phrases	95
Inactivated phrases	7

EuPhraC:

Changed order of structure codes top nodes in EuPhraC 2.2 as compared to Release 2.1:

01. Safety Data Sheet according to Regulation (EC) No. 1907/2006

02. Safety Data Sheet according to UN-GHS - (06. in EuPhraC 2.1)

03. Safety Data Sheet according to ANSI Z.400-1 - (07. in EuPhraC 2.1)

04. Annex to the extended Safety Data Sheet (ext. SDS) - 02. in EuPhraC 2.1

05. Chemical Safety Report - (03. in EuPhraC 2.1)

06. Units, Prefixes, Punctuation etc. - (04. in EuPhraC 2.1)

07. Lists - (05. in EuPhraC 2.1)

new: 07.01. Waste codes/ waste designation according to EWC/AVV

Content-related changes:

- Revision of Section 12 ("Toxicity") including method part (OECD), among them new test methods according to Regulation (EU) 2016/266: Revision of Section 13 ("Disposal") including Directive 2008/98/EC, Annex I (Waste Framework Directive);

- Inclusion of waste code numbers (Abfallverzeichnisverordnung aka Europäischer Abfallkatalog (AVV; EAK), European Waste Catalogue (EWC)), appended as list in 07.01.

- 8th ATP: new and modified GHS statements with new Phrase IDs:

H314, H318, H311+H331, H302+H312,

P302+P335+P334, P336+P315, P370+P372+P380+P373 und P370+P380+P375[+P378]

as well as P220, P231, P234, P240, P241, P242, P243, P250, P263, P282, P283,

P231+P232, P312, P334, P353, P372, P381, P301+P312, P301+P330+P331,

P302+P334, P303+P361+P353, P305+P351+P338, P401, P406, P407, P420, P502

Note: the old wordings of GHS phrases according to 6th ATP are still active under their respective Phrase IDs

- 33 new GISCODES, 3 modified GISCODES: for the new GISCODES without final agreement on the wording, the corresponding old GISCODES are still active;

- Section 15: COMMISSION REGULATION (EU) 2016/293 of 1 March 2016 amending Regulation (EC) No 850/2004 (POPs Regulation)

- List I and II of families and groups of substances as subnodes of the

Directive 2006/11/EC on pollution caused by certain dangerous substances discharged into the aquatic environment

Duplicates (the overgenerated Phrase IDs will be inactivated by replacement in Release 2.3):

Phrase ID 9267225733 + ID 16180091400: "Methanol"
Phrase ID 9268175065 + ID 16171174701: "Copper"
Phrase ID 16123161300 + ID 16134142000: "OECD 226"
Phrase ID 16123161400 + ID 16134142001: "Regulation (EC) No. 440/2008, Annex, C.36"
Phrase ID 16123161800 + ID 16134142500: "OECD 230"
Phrase ID 16123201800 + ID 16134143200: "OECD 232"
Phrase ID 16123201900 + ID 16134143201: "Regulation (EC) No. 440/2008, Annex, C.39"
Phrase ID 16134125201 + ID 16123160400: "Regulation (EC) No. 440/2008, Annex, C.35"
Phrase ID 9269130733 + ID 16134125200: "OECD 225"
Phrase ID 9269130808 + ID 16123154400: "Regulation (EC) No. 440/2008, Annex, C.11"

EuPhraC/ESCom Version 2.1

18.01.2016/12.02.2016: Section 1 and 2 phrases (Title section; Conditions of use) have been added and modified in accordance with the updated ECHA guidance on Use description (R12, version 3.0, December 2015). Not all new/modified use descriptor categories have been included yet. For Section 3, a large number of additional SPERC phrases have been added as well as existing SPERC phrases were updated where new SPERC versions have become available. The table below provides a numerical overview of the changes to the ESCom catalogue in the update from version 2.0 to version 2.1:

Phrases in catalogue	Number of phrases
Active phrases	1547
Inactive phrases	778
Total	2325
New phrases	194
Modified phrases	76
Inactivated phrases	299

For EuPhraC, several structural modifications have been applied:

- templates for SDS according to UN-GHS (Revision 6, 2015) including numerous hazard categories and ANSI Z-400. added;
- revision and harmonisation of Sections 9-11, in particular for the test section
- subsection node 14.8 in Transport section implemented: "Additional information", e.g. IMDG code segregation groups added

Content-related issues: some 350 new phrases

Section 1: Relevant identified uses: Use description categories added and modified according to ECHA Guidance on Information Requirements and Chemical Safety Assessment Chapter R.12: Use description, Version 3.0, December 2015

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Section 2 (UN GHS SDS): hazard categories and classes added

Section 12: OECD methods added, DIN methods adapted

Section 15: provisions of national regulations and inventories (to be continued)

EuPhraC/ESCom Version 2.0

12.07.2015: Addition of more than 200 new phrases, most of them for the ESCom part. Some sector-specific phrases, in particular ECPA phrases, and tool phrases as well as various phrases for units have been included. **24.09.2015:** For EuPhraC Main, only a few phrases have been added, in particular UN-GHS statements according to 6th and 7th ATP: H206, H207, H208, H232, P212, P336+P315, P370+P372+P380+P373, P370+P380+P375[+P378], P302+P335+P334 as well as 3 Osha HazCom statements. Inclusion of new hazard class "Desensitized explosives". Slight changes to wordings of SDS section headers 1 and 14.7 are considered.

EuPhraC/ESCom Version 1.5

22.12.2014: No major changes in ESCom, but preparation of a complete revision for version 2.0. Changes in SDS section 2 to revise and amend physical hazards for self-reactive substances/mixtures and organic peroxides. Section 9 introduces a standardized recurrent pattern of characteristic features including "Type, Value Method, Source, Remark". In section 11, STOT information is restructured and OECD test methodes have been revised. Section 15 adopts the European Seveso III directive (including 21 accident hazard classes and 65 named substances) and its German adaptation "Störfallverordnung (12. BimschV)", as well as Swiss national regulations.

EuPhraC/ESCom Version 1.4

24.6.2014: Filled gaps in classification and labelling, especially Acute Tox. variants and H3xx variants. Updated German national regulation "Kreislaufwirtschaftsgesetz" and Dutch emergency call. Applied structural changes in safety data sheet sections 9 (Appearance) and 11 (Introduction of header 11.1). Introduced phrases "data lacking" etc. for safety data sheet section 11. Structure changes in the ES part to prepare ESCom phrase mapping 7 Chesar alignment, to be finished in late 2014. Removed further double entries.

EuPhraC Version 1.3

5.9.2013: Removed deprecated REACH SDS format - "01." now represents the format which complies with regulation 453/2010 Annex I. Sections 11 and 14 are restructured for best compliance with the regulations. Property wordings in section 9 and wordings / original codes of H/P statements for ATP 4 have been reviewed.

"02." now has a structured Exposure Scenario format with assigned phrases, although the assignment may need further work. All deprecated ES formats / phrases are moved to "02.03". Review of SpERCs. New ESCom phrases (December to March 2013) are

included.

In total, 438 phrases are added. Around 200 double occurrences of phrases in the same structure have been removed (but each phrase still appears in the respective structure part).

EuPhraC Version 1.2

16.9.2012: New structure 05... for new ESCom phrases 1.2, including lots of improvements on these phrases (double entries removed, wording consistency). Additions for directive 2010/75/EG, decopaints, and Polish regulations. Grammar corrections in use descriptors and other changes from phrase proposals.

EuPhraC version 1.2 already includes H and P sentence changes from the 4th revised edition of UN-GHS. Please be aware that these changes should be applied to legal documents only after they became included in 4th ATP of CLP.

19.12.2011: Added GISCODE phrases to support application description. Revisited Use Descriptors and Classification/Labelling phrases to correct some flaws. Reworked chapters 11 and 12 of the SDS format according to 453/2010. Additional small changes for consistency and correctness. Introduced a new structure for a unified Exposure Scenario template, but this needs further discussion and will be revised.

EuPhraC Version 1.1

28.5.2011: Added new AISE and CEPE sector group phrases and revisions from the ESCom project work. Since Cefic provides sector group phrases now as one long, unstructured list, the older structured list remains part of the catalogue for documentation purposes.

15.6.2010: Updated new SDS format according to final regulation. Added two sentences of Concawe/Cefic/EFCE guidance regarding strictly controlled conditions. Three modifications in ESIG and CONCAWE sector group lists. Several hundred small modifications for the sake of consistency.

EuPhraC Version 1.0

15.5.2010: Updated ESIG and Concawe stakeholder list. Several smaller changes to improve quality and consistency.

28.3.2010: Added Concawe stakeholder list. Deleted full stops at ends of list entries. Improvements on parts of the English texts, overall consistency and data transfer issues from BDI 10.2.

30.3.2010: Reworked Use descriptors according to http://guidance.echa.europa.eu/docs/guidance_document/information_requirements_r12_en.pdf as of 26.3.2010. Added ESIG stakeholder list.

19.3.2010: Initial Version as a transfer of the BDI standard phrase catalogue 10.2, enhanced with Exposure Scenario formats, SDS format according to new Annex II draft and smaller changes.