



Association Internationale de la Savonnerie, de la Détergence et des Produits d'Entretien
International Association for Soaps, Detergents and Maintenance Products

ESC – History of changes

The version 1.0 of the ESC tool was released as of 1st July 2010 for trial by the companies committed to the Charter. This can be considered as a beta version.

The version 1.1. can be considered as the official first version used for the first ASPs submission.

Changes between version 1.1. and version 1.2

The version 1.2 was launched as of June 2011 to refine data based on new information collected.

N°	Ingredient	Changes
80	1,2-Benzisothiazol-3-one	PNEC 0.004 mg/l, increased from 0.00015mg/l (supplier data). Removal rate 50%, reduced from 87% (conservative). Default AISE tonnage replaced by 200 tpa (member survey)
89	CMI + MIT in mixture 3:1 (§)	PNEC 0.000055 mg/l, reduced from 0.000114 mg/l (supplier data). AISE tonnage 15 tpa, replacing default (member survey)
90	2-Methyl-2H-isothiazol-3-one (MIT)	PNEC 0.001 mg/l, increased from 0.00006mg/l (supplier data). Removal rate 50%, reduced from 87% (conservative). AISE tonnage 35 tpa, replacing default (member survey)
231	Octyl isothiazolone	AISE tonnage 10 tpa, replacing default (member survey)

Changes between version 1.2 and version 1.3

The version 1.3 was launched as of November 2011 to include new ingredients and to modify some ingredients description.

N°	Ingredient	Changes
72	Alkyl hydroxyethyl dimethyl ammonium chloride	New ingredient – CAS: 85736-63-6 PNEC 0.004 mg/l (supplier data, REACH ¹ data). Removal rate 99.8% (supplier data). AISE tonnage 2x Category (default). Other industries tonnage factor 2.5 (market data).
161	Lactic acid / salts	Ingredient definition changed to include lactate salts
196	Low toxicity non-biodegradable polymers	Ingredient definition changed from Block Polymers
234	Modified melamine-formaldehyde resin	New ingredient – CAS: 68002-20-0 PNEC 0.1 mg/l (supplier data). Removal rate 25.0% (supplier data). AISE tonnage 2x Category (default).

¹ Information publicly available for substances registered under REACH via ECHA website:
<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>



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		Other industries tonnage factor 10 (default)
235	Di C12/13 alkyl malate	New ingredient – CAS: 149144-85-4 PNEC 0.1 mg/l (supplier data). Removal rate 93.0% (supplier data). AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
237	Tetramethylglycoluril	New ingredient – CAS: 5395-50-6 PNEC 0.0095mg/l (supplier data). Removal rate 87.0% (supplier data). AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
238	PVA film	New ingredient – CAS: 9002-89-5 PNEC 0.1 mg/l (literature data). Removal rate 50.0% (literature data). AISE tonnage 2x Category (default). Other industries tonnage factor 2.5 (market data).

Changes between version 1.3 and version 2.0

The version 2.0 was launched as of 1st April 2012 to include a new product category: Auto dishwashing products. As well, this version integrates alignment of ESC data with REACH data (for further information see note “links between ESC tool and REACH data”)

N°	Ingredient	Changes
61	Alkyl C12/18 amidopropylbetaine ²	PNEC 0.0135mg/l, reduced from 0.047mg/l (REACH data).
62	C10/18 Alkyl amine oxide ³	Modified to include C ₁₀ (literature data, expert judgment) PNEC 0.0335 mg/l, increased from 0.0166mg/l (REACH data).
87	Glutaraldehyde	PNEC 0.0025 mg/l, reduced from 0.009 mg/l (REACH data).
93	Methylparaben	PNEC 0.004 mg/l, reduced from 0.0154 mg/l (REACH data).
129	C1-C3 alcohols	Ingredient definition changed from C1-4 to C1-3. Butan-1-ol (CAS 71-36-3) and butan-2-ol (CAS 78-92-2) were deleted from the tool. (REACH data indicating significantly greater eco-toxicity for C4 alcohols).
130	Mono-, di- and tri-ethanolamine	Now listed as separate substances – see Ingredients 242 – 244 below. REACH data indicating substantial differences in eco-toxicity.
135	Urea	PNEC 0.047mg/l, reduced from 1mg/l (REACH data).

² Wrongly named Alkyl C10/18 amidopropylbetaine in version2, corrected in version 3.

³ Wrongly named C12/18 Alkyl amine oxide in version, corrected in version 3.0. (Mistake done in ingredient chain length between ingredient 61 & 62 in version 2.0)



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		Removal rate 97.8% increased from 87% (REACH data).
164	Glycollic acid	PNEC 0.0312 mg/l, reduced from 0.141 mg/l (REACH data).
171	Diethylene glycol monoethyl ether	PNEC 0.74 mg/l, reduced from 3.94 mg/l (REACH data).
179	Dipropylene glycol monobutylether	PNEC 0.519 mg/l, reduced from 0.841 mg/l (REACH data).
188	1-methyl-2-pyrrolidone	PNEC 0.25 mg/l, reduced from 0.5 mg/l (REACH data).
190	Trimethyl Pentanediol mono-isobutyrate	PNEC REACH 0.015 mg/l, reduced from 0.033 mg/l (REACH data).
191	Benzotriazole	PNEC 0.1 mg/l, increased from 0.029 mg/l (Member company data)
233	Titanium dioxide	PNEC 0.127 mg/l, reduced from 1 mg/l (REACH data).
236	Sodium hypochlorite	New ingredient – CAS: 7681-52-9. Exempt – EU Existing Chemicals Risk Assessment
239	Tolyltriazole	New ingredient – CAS: 29385-43-1 PNEC 0.1 mg/l (Member company data) Removal rate 0% (Conservative) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
240	Zinc salts (as Zn; check anion separately)	New ingredient group, including zinc acetate- CAS: 557-34-6 and zinc sulphate – CAS: 7733-02-0 PNEC 0.0078 mg/l (EU Existing Chemicals RA ZnCl ₂) Removal rate 74.0% (EU Existing Chemicals RA ZnCl ₂) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
241	Tetrasodium glutamate diacetate	New ingredient – CAS: 51981-21-6 PNEC 0.1mg/l (Supplier data) Removal Rate 87.0% (Supplier data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
242	Monoethanolamine	Former ingredient 130 split into individual ethanolamines PNEC 0.085 mg/l reduced from 0.32 mg/l (REACH data) Removal rate 90% (REACH data) AISE Tonnage 60,000 tpa (Market Data) Other industries tonnage factor 2.5 (Market Data)
243	Diethanolamine	Former ingredient 130 split into individual ethanolamines PNEC 0.015 mg/l reduced from 0.32 mg/l (REACH data) Removal rate 93% (REACH data) AISE Tonnage 20,000 tpa (Market Data) Other industries tonnage factor 2.5 (Market Data)
244	Triethanolamine	Former ingredient 130 split into individual ethanolamines PNEC 0.32 mg/l (REACH data). Removal rate 96% (REACH data) AISE Tonnage 45,000 tpa (Market Data) Other industries tonnage factor 2.5 (Market Data)



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As well, the additional CAS numbers below were added to ingredients or group of ingredients already in the tool:

N°	Ingredient	CAS N°
20	C16-18 saturated fatty (alkyl) alcohol	67762-27-0
72	Alkyl hydroxyethyl dimethyl ammonium chloride	85736-63-6
161	Calcium lactate 5H ₂ O	5743-47-5
161	Calcium lactate H ₂ O	41372-22-9
161	Calcium lactate	814-90-2
185	Glycol stearate	111-60-4
196	Styrene acrylic polymer	9010-92-8
209	Glucose	50-99-7
209	Glyceryl monooleate	111-60-4
209	Potassium Cocoyl Hydrolysed Collagen	68920-65-0

Changes between version 2.0 and 2.1

The version 2.1. was launched as of 1st of September to enable better compatibility with Excel 2010 and to correct the removal rate of ingredient 87, glutaraldehyde based on REACH data.

N°	Ingredient	Changes
87	Glutaraldehyde	Removal Rate 97%, increased from 87% (REACH data)

Changes between version 2.1 and 3.0

The version 3.0 was launched as of 1st October 2012 to include a new product category: Hard surface dilutable cleaners.

N°	Ingredient	Changes
60	C12/15 Alkyl dimethylbetaine	PNEC 0.0135 mg/l, increased from 0.001 mg/l. Expert judgment /read across from Ingredient 61
70	Alkyl trimethyl ammonium salts	PNEC 0.002 mg/l increased from 0.00046 mg/l (Supplier data) Removal rate 99.8% increased from 95% (Supplier data)
73	Monoalkyl benzyl dimethyl ammonium salts	New ingredient group: – Benzalkonium chloride CAS: 63449-41-7 – C12-18 Alkyl dimethyl benzyl ammonium chloride CAS: 68391-01-5 – C12-14-Alkyldimethyl(ethylbenzyl)ammonium chloride CAS: 85409-23-0 PNEC 0.00114 mg/l (Supplier Data) Removal Rate 99.8% (Supplier Data)



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		AISE tonnage 2x Category (default). Other industries tonnage factor 2.5 (Market Data)
74	Dialkyl (C8 – C10) dimethyl ammonium salts	New ingredient group – CAS: 7173-51-5 PNEC 0.002 mg/l (Supplier Data) Removal Rate 99.8% (Supplier Data) AISE tonnage 2x Category (default). Other industries tonnage factor 2.5 (Market Data)
166	Malonic Acid	Removal Rate 94%, increased from 87% (Member company data)
245	Methyl Ethyl Ketone	New ingredient – CAS: 78-93-3 PNEC 0.345 mg/l (REACH data) Removal Rate 87.0% (REACH data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
246	Ethylene glycol Mono hexylether	New ingredient – CAS: 112-25-4 PNEC 0.14 mg/l (REACH data) Removal Rate 87% (REACH data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
247	Dipropylene glycol n-propyl ether	New ingredient – CAS: 29911-27-1 PNEC 0.1 mg/l (REACH data, expert judgement) Removal Rate 87% (REACH data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
248	2,2,(Octadec-9-enylimino)-bisethanol	New ingredient – CAS: 25307-17-9 PNEC 0.000214% (REACH data) Removal Rate 99.99% (REACH data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
249	Hexylene glycol	New ingredient – CAS: 107-41-5 PNEC 0.429 mg/l (REACH data) Removal Rate 87% (REACH data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
250	Carboxymethyl Inulin	New ingredient – CAS: 171338-23-1 & 430439 -54-6 PNEC 15 mg/l (Supplier data) Removal Rate 50% (Supplier data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)

As well, additional CAS numbers were added to ingredients or group of ingredients already in the tool:

N°	Ingredient	CAS N°
70	Tallow trimethyl ammonium chloride	8030-78-2



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113	Tetrapotassium pyrophosphate	7320-34-5
119	1-Hydroxyethane-1,1-diyl)diphosphonic acid disodium salt (sodium etidronate)	7414-83-7
119	DTPMP Na7, Phosphonates	22042-96-2
160	Vinegar (express as acetic acid)	90132-02-8
208	Ammonium hydroxide / Ammonia	1336-21-6

Changes between version 3.0 and 3.1

The version 3.1 was launched as of 1st July 2013 in order to include new ingredients.

N°	Ingredient	Changes
92	ε-phthalimidoperoxyhexanoic acid (expressed as ε-phthalimidohexanoic acid)	ε-phthalimidoperoxyhexanoic acid (PAP) decomposes during use and in sewers and drains following disposal to ε-phthalimidohexanoic acid (PAC), water and oxygen. Parameters for ε-phthalimidohexanoic acid are used (more sensitive case): PNEC 0.025 mg/l (member company data) Removal 87% (member company data) AISE tonnage 2x Category (default). Other industries tonnage factor 2.5 (Market data)
251	β-Alanine, N-(2-carboxyethyl)-,N-coco alkyl derivs., disodium Salts	New ingredient – CAS: 90170-43-7 PNEC 0.0107 mg/l (Supplier data) Removal Rate 95.0% (Supplier data) AISE tonnage 2x Category (default). Other industries tonnage factor 2.5 (Market data)
252	Aluminium oxide	New ingredient – CAS: 1344-28-1 Exempt as non-hazardous insoluble inorganic
253	Chlorinated isocyanurates (expressed as cyanuric acid)	New ingredient – CAS: 51580-86-0 (sodium dichloroisocyanurate dehydrate) Dissociate in water to give cyanuric acid and hypochlorite. Hypochlorite is completely removed in sewers and also exempt from PESR calculation (EU Existing Chemicals RA). Parameters for cyanuric acid are used (more sensitive case): PNEC 12.1 mg/l (REACH data) Removal Rate 0% (REACH data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
254	Peracetic acid	New ingredient – CAS: 79-21-0 Peracetic acid decomposes during use and in sewers and drains following disposal to acetic acid (acetate at sewage pH), water and oxygen. Parameters for peracetic acid are used as that is the more sensitive case. PNEC 0.000224 mg/l (REACH data)



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		Removal Rate 99.95% (REACH data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
255	3-iodo-2 Propynyl-N-butyl carbamate (IPBC)	New ingredient – CAS: 55406-53-6 PNEC 0.0005mg/l (BPD dossier) Removal Rate 50.0% (BPD dossier) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
256	Manganese sulfate (MnSO ₄)	New ingredient – CAS: 10034-96-5 PNEC 0.338 mg/l (WFD EQS data for Mn) Removal Rate 0% (Conservative based on literature) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
257	Manganese Catalyst - CAS: 116633-53-5	New ingredient – CAS: 116633-53-5 PNEC 0.0086mg/l (Supplier data) Removal Rate 0% (Supplier data, conservative) AISE tonnage 100 tpa (Market data) Other industries tonnage factor 2.5 (Market data)
258	Dimethylol glycol (expressed as formaldehyde)	New ingredient – CAS: 3586-55-8 Dimethyl glycol decomposes to ethylene glycol and formaldehyde in sewers. Parameters for formaldehyde data are used (more sensitive case). PNEC 0.06 mg/l (DID list data) Removal Rate 87.0% (DID list data) AISE tonnage 1000 tpa (Market data). Other industries tonnage factor 10 (Default)

As well, the additional CAS numbers below were added to ingredients or group of ingredients already in the tool:

N°	Ingredient	CAS N°
119	(1-hydroxyethylidene)bisphosphonic acid, sodium salt	29329-71-3

Changes between version 3.1 and 4.0

The version 4.0 was launched as of 1st October 2013 to include a new product category: trigger sprays.

Changes between version 4.0 and 5.0

The version 5.0 was launched as of 1st January 2014 to include a new product category: manual dishwash detergents.



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N°	Ingredient	Changes
209	Glyceryl monooleate	Error in CAS corrected to CAS 68424-61-3
259	Tocopheryl Acetate	New ingredient – CAS: 7695-91-2 PNEC 0.27 mg/l (REACH data) Removal rate 70% as log Pow of 12 and being inherently biodegradable (REACH data) AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)
260	Potassium Sorbate	PNEC 0.48 mg/l (REACH data) Removal rate 87% as readily biodegradable AISE tonnage 2x Category (default). Other industries tonnage factor 10 (default)

Changes between version 5.0 and 5.1

The version 5.1 was launched as of 1st April 2014 in order to include new ingredients. Especially new grade of EO-PO substances were introduced.

N°	Ingredient	Changes
261	EO-PO Group ⁴ 3	New ingredient – CAS number not available Commercial name: Dehypon GRA PNEC 0.064 mg/L (Supplier data) Removal rate 95% (Supplier data) AISE tonnage 2xCategory (default) Other industries tonnage factor 5 (Market data)
262	EO-PO Group 4	New ingredient – CAS number not available Commercial name: Plurafac LF 305 PNEC 0.0091 mg/L (Supplier data) Removal rate 95% (Supplier data) AISE tonnage 2xCategory (default) Other industries tonnage factor 5 (Market data)
263	EO-PO Group 5	New ingredient – CAS number not available Commercial name: Plurafac LF 405, Dehypon E 127, Dehypon WET PNEC 0.0064 mg/L (Supplier data) Removal rate 95% (Supplier data) AISE tonnage 2xCategory (default) Other industries tonnage factor 5 (Market data)
264	EO-PO Group 6	New ingredient – CAS number not available Commercial name: Plurafac LF 220, Plurafac LF 221 PNEC 0.005 mg/L (Supplier data) Removal rate 95% (Supplier data) AISE tonnage 2xCategory (default) Other industries tonnage factor 5 (Market data)

⁴ Terminology « Grade » was replaced by Group in July 2014 (Version 6 of ESC tool)



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265	EO-PO Group 7	New ingredient – CAS number not available Commercial name: Plurafac LF 301 PNEC 0.0018 mg/L (Supplier data) Removal rate 95% (Supplier data) AISE tonnage 2xCategory (default) Other industries tonnage factor 5 (Market data)
266	Tripropylene glycol	New ingredient –CAS 24800-44-0 PNEC 10 mg/L (OECD SIDS) Removal rate 0% (default) AISE tonnage 2xCategory (default) Other industries tonnage factor 10 (default)
267	Acetoacetamide	New ingredient – CAS 5977-14-0 PNEC 1.5 mg/L (REACH data) Removal rate 40% (log KoW) AISE tonnage 2xCategory (default) Other industries tonnage factor 10 (default)

As well, the additional CAS numbers below were added to ingredients or group of ingredients already in the tool:

N°	Ingredient	CAS N°
1	MEA salt of LAS	85480-55-3
15	Sodium palm kernelate	61789-89-7
71	Ethanaminium, 2-hydroxy-N-(2-hydroxyethyl)-N,N-dimethyl-, esters with C16-18 and C18-unsatd. fatty acids, chlorides	1079184-43-2
110	Polysiloxanes, di-Me, Me Ph	63148-52-7
141	Pectate Lyase	9015-75-2
146	Polyvinylpyridine-N-oxide	58984-27-3
160	Sodium acetate Sodium acetate trihydrate	127-09-3 6131-90-4
177	Dipropylene glycol [2-propanol, 1,1'-oxydi-]	110-98-5

Changes between version 5.1 and 6.0

The version 6.0 was launched as of 1st July 2014 in order to include a new product category: toilet cleaners.

As well, ingredients were added to the tool under EO-PO group 1, ingredient 41.

N°	Ingredient	CAS N°
41	Plurafac LF 403	131594-92-8
41	Plurafac LF 500	Not available



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41	Plurafac RA 30	39316-51-3
41	Dehypon LS 54	68439-51-0
41	Dehydol 980	69227-22-1

The title of the category “Machine Dishwashing detergent” has been modified to “Automatic Dishwashing Detergent” in order to ensure consistency with the ASP definition.

Changes between version 6.0 and 7.0

The version 7.0 was launched as of 1st October 2014 in order to include a new product category: professional building care products.

As well, new ingredients were added to the tool.

N°	Ingredient	Changes
268	Proprietary Ingredient	Stage 2 notification received from Charter company – Number assigned to the notifier only
269	EPEI – Removal rate 0%	New ingredient – Not possible to assign CAS number PNEC 0.1 mg/L (Low toxicity non-biodegradable polymer data– ingredient 196 – as well as data from SDS) Removal rate 0% (default) AISE tonnage 10 000 tons (conservative estimate based on data collected from an internal survey) Other industries tonnage factor 2.5 (based on information provided by supplier)
270	EPEI – Removal rate 25% To be used only if information available on removal rate for the specific commercial ingredient indicating a removal >25%	New ingredient – Not possible to assign CAS number PNEC 0.1 mg/L (Low toxicity non-biodegradable polymer data– ingredient 196 – as well as data from SDS) Removal rate 25% (Based on information from SDS, indicating a removal between 20% and 50%) AISE tonnage 10 000 tons (conservative estimate based on data collected from an internal survey) Other industries tonnage factor 2.5 (based on information provided by supplier)

Changes between version 7.0 and version 7.1

The version 7.1 was launched as of 1st January to integrate alignment of ESC data with REACH data (for further information see note “links between ESC tool and REACH data”). As well, a new ingredient was added.



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N°	Ingredient	Changes
10	Dialkyl sulpho succinate	PNEC 0,0066 mg/l reduced from 0,0157 mg/l (REACH data)
11	C 12/14 Sulpho- fatty acid methylester	CAS Number modified 4016-21-1. (CAS number 85566-26-3 was wrongly assigned, to be properly assigned to Ing 202)
16	Lauroyl Sarcosinate	PNEC 0,0297 mg/l reduced from 0,056mg/l (REACH data)
70	Alkyl trimethyl ammonium salts	PNEC 0,00068 mg/l reduced from 0,002 mg/l (REACH data)
84	Chloroacetamide	PNEC 0,00481 mg/l reduced from 0,0556 mg/l (REACH data)
85	Diazolinidylurea	PNEC 0,00578 mg/l reduced from 0,035 mg/l (REACH data)
99	Phenoxyethanol	PNEC 0,943 mg/l reduced from 2 mg/l (REACH data)
120	EDDS	PNEC 0.64mg/L correspond to the EDDS sodium salt, thus the name was accordingly amended in the ESC tool.
155	Maleic acid	PNEC 0,074 mg/l reduced from 0,106 mg/l (REACH data)
204	Tri-Sodium methylglycine diacetate	PNEC 2 mg/l increased from 0,334 mg/l (REACH data)
241	Tetrasodium glutamate diacetate	PNEC 10 mg/l increased from 0.1 mg/l (REACH data) Removal rate 96% increased from 87% (REACH data)
271	EPEI – PEI600EO20 - Removal rate 50% To be used only if structure is confirmed by supplier	New ingredient – Not possible to assign CAS number PNEC 1 mg/L (company data) Removal rate 50% (company data) AISE tonnage 10 000 tons (conservative estimate based on data collected from an internal survey) Other industries tonnage factor 2.5 (based on information provided by supplier)

As well, the additional CAS numbers below were added to ingredients or group of ingredients already in the tool:

N°	Ingredient	CAS N°
4	Sulfuric acid, mono(C12-13-branched and linear alkyl) esters, sodium salts	1231880-35-5
8	Alcohols, C12-13, branched and linear, ethoxylated, sulfates, sodium salts	161074-79-9
99	Phenoxyethanol	122-99-6
123	Fatty acids, C12-18 and C18-unsatd.	90990-15-1
202	Fatty acids, C8-10, Me esters	85566-26-3 ⁵

⁵ New assignment as previously inappropriately assigned to ing 11.



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Changes between version 7.1 and version 7.2

The version 7.2 was launched as of 1st April 2015 to add two new ingredients to the ESC tool.

N°	Ingredient	CAS N°
272	FWA 9 – Fluorescent brightener	133-66-4
273	Proprietary ingredient	/

Changes between version 7.2 and version 7.3

The version 7.3 was launched as of 9 October 2015 to add four new ingredients to the ESC tool.

N°	Ingredient	CAS N°
274	Polypropyleneglycol, MW <=2000	25322-69-4
275	Polypropyleneglycol, MW >2000	25322-69-4
276	Partially sulphated EHDQ (ethoxylated hexamethylene diamine quaternary zwitterionic polymer mixture, average MW of 4500 and 96 ethoxylate units)	247074-09-5
277	Proprietary ingredient	/

As well, the additional CAS numbers below were added to ingredients or group of ingredients already in the tool:

N°	Ingredient	CAS N°
20	Alcohols, C9-11-branched, ethoxylated > 2,5 EO	160875-66-1
209	Dextrin	9004-53-9
209	Dextrose	50-99-7
209	Sucrose	57-50-1

Changes between version 7.3 and version 7.4

The version 7.4 was launched as of 7 April 2016 to add five new ingredients to the ESC tool.

N°	Ingredient	CAS N°
278	Polymer PK M	68610-92-4
279	C14-18 mono- and di-glycerides	67701-33-1
280	Proprietary ingredient	/
281	Benzo-/ tolyl- triazoles (Replacing Ings 191 and 239)	95-14-7 and 29385-43-1



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282	m-toluidine 5EO	36356-82-8
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As well, the additional CAS number below was added to a group of ingredients already in the tool:

N°	Ingredient	CAS N°
262	Lutensols	166736-08-9

In addition to these changes to the specific ingredients, the category data for Liquid Laundry Detergents have been modified to ensure they are representative of the real use on the market:

- Average dosage per task has been reduced from 90 to 70 g
- Market volume in kg/per capita/per year has been increased from 2,6 to 3,7

Changes between version 7.4 and version 7.5

The version 7.5 was launched as of 4 April 2017 to add one new ingredient to the ESC tool.

N°	Ingredient	CAS N°
283	Proprietary ingredient	/

As well, the additional CAS numbers below were added to groups of ingredients already in the tool:

N°	Ingredient	CAS N°
15	Sodium Tallowate	8052-48-0
15	Sodium Palmate	61790-79-2
15	Sodium Cocoate	61789-31-9
62	C12-14 Alkyldimethylamine oxide (C12-14 AO)	308062-28-4
115	Citric Acid, Na ₃ Salt Dihydrate	6132-04-3
121	Kaolin	1332-58-7
147	Zn phthalocyaninetetrasulfonate	27836-01-7
208	Calcium carbonate	471-34-1
208	Sulfuric acid	7664-93-9