

HAD Nr	Ingredient Name	Category	LTE	LF	Aerobic Biodegradability R=Ready =Inherently P=Persistent NA=Not Applicable
20010	C10-13 linear alkyl benzene sulphonates	surfactant, anionic	0,69	0,05	R
20012	C10-13 linear alkyl benzene sulphonates TEA-Salt	surfactant, anionic	3,4	0,05	R
20013	C10-13 linear alkyl benzene sulphonates MEA-Salt	surfactant, anionic	1	0,05	R
20020	C 14-16 Alkyl sulphonate	surfactant, anionic	0,5	0,05	R
20030	C 8-10 Alkyl sulphate	surfactant, anionic	1,35	0,02	R
20040	C10 Alkyl sulphate	surfactant, anionic	0,95	0,02	R
20050	C12-14 Alkyl sulphate	surfactant, anionic	0,391	0,02	R
20060	C12-18 Alkyl sulphate	surfactant, anionic	0,419	0,02	R
20070	C16-18 Alkyl sulphate	surfactant, anionic	0,2	0,02	R
20080	C8-12 Alkyl ether sulphate, even and odd-numbered, 1-3 EO	surfactant, anionic	1,9	0,02	R
20090	C12-18 Alkyl ether sulphate, even and odd numbered, 1-3 EO	surfactant, anionic	0,14	0,02	R
20100	C16-18 Alkyl ether sulphate 1-4 EO	surfactant, anionic	0,22	0,02	R
20110	Mono-C12-14 Alkyl sulfosuccinate	surfactant, anionic	0,9	0,05	R
20120	Mono-C12-18 Alkyl sulfosuccinate	surfactant, anionic	0,1	0,05	R
20130	Mono-C16-18 Alkyl sulfosuccinate	surfactant, anionic	0,04	0,05	R
20140	di-C4-6 Alkyl sulfosuccinate	surfactant, anionic	5	0,05	R
20150	di-2-ethylhexyl sulfosuccinate	surfactant, anionic	0,33	0,05	R
20160	di-iso C10 Alkyl sulfosuccinate	surfactant, anionic	0,044	0,05	R
20170	di-iso C13 Alkyl sulfosuccinate	surfactant, anionic	0,1	0,6	I
20180	N1 C16-18 Alkyl sulfosuccinate (even numbered)	surfactant, anionic	0,5	0,05	R
20190	N2 C12-18 Alkyl sulfosuccinate (even numbered)	surfactant, anionic	0,31	0,05	R
20200	N3 C16-18 Alkyl sulfosuccinate (even numbered)	surfactant, anionic	0,5	0,05	R
20210	C12-14 Fatty Acid Methyl ester Sulphonate	surfactant, anionic	0,25	0,05	R
20220	C16-18 Fatty Acid Methyl ester Sulphonate	surfactant, anionic	0,23	0,05	R
20230	C14-16 alfa Olefin sulphonate	surfactant, anionic	1,2	0,05	R
20240	C14-18 alfa Olefin sulphonate	surfactant, anionic	1,2	0,05	R
20250	C12-25 Fatty Acid Alkali Salts	surfactant, anionic	1	0,05	R
20260	Lauroyl Sarcosinate	surfactant, anionic	1,12	0,05	R
20270	C9-11, ≥2 - ≤10 EO Carboxymethylated, sodium salt or acid	surfactant, anionic	2	0,05	R
20280	C12-18, ≥2 - ≤10 EO Carboxymethylated, sodium salt or acid	surfactant, anionic	0,5	0,05	R
20290	C12-18 Alkyl phosphate esters	surfactant, anionic	1,9	0,05	R
20300	iso C13 Alkyl phosphate esters, 3 EO	surfactant, anionic	0,032	0,6	I
20310	Sodium cocoyl glutamate	surfactant, anionic	11,9	0,05	R
20320	Sodium Lauroyl Methyl Isethionate	surfactant, anionic	12,5	0,05	R
21010	C8-11 Alcohol, ≤2,5 EO	surfactant, nonionic	1,86	0,02	R
21020	C8-11 Alcohol, >2,5 - ≤10 EO	surfactant, nonionic	1,5	0,02	R
21030	C8-11 Alcohol, >10 EO	surfactant, nonionic	25	0,02	R
21040	C9-11 Alcohol, >3 - <7 EO predominantly linear	surfactant, nonionic	0,28	0,02	R
21050	C9-11 Alcohol, >6 - ≤10 EO predominantly linear	surfactant, nonionic	1,5	0,02	R
21060	iso-C9-11 Alcohol, ≥5 - ≤11 EO	surfactant, nonionic	1,5	0,05	R
21070	2-propylheptyl, 8 EO	surfactant, nonionic	1,5	0,05	R
21080	C10 Alcohol, ≥5 - ≤11 EO multibranched (Trimer-propen-oxo-alcohol)	surfactant, nonionic	0,5	0,05	R
21090	C12-16 Alcohol, ≤2,5 EO	surfactant, nonionic	0,29	0,02	R
21100	C12-16 Alcohol, >2,5 - ≤5 EO	surfactant, nonionic	0,37	0,02	R
21110	C12-16 Alcohol, >5 - ≤10 EO	surfactant, nonionic	0,27	0,02	R
21120	C12-14 Alcohol, ≥5 - ≤8 EO 1 t-BuO (endcapped)	surfactant, nonionic	0,018	0,05	R
21130	iso-C13 Alcohol, ≤2,5 EO	surfactant, nonionic	0,74	0,05	R
21140	iso-C13 Alcohol, >2,5 - ≤6 EO	surfactant, nonionic	0,6	0,05	R
21150	iso-C13 Alcohol, ≥7 - <20 EO	surfactant, nonionic	1,58	0,05	R
21160	C14-15 Alcohol, ≤2,5 EO	surfactant, nonionic	0,1	0,02	R
21170	C14-15 Alcohol, >2,5 - ≤10 EO	surfactant, nonionic	0,12	0,02	R
21180	C12-16 Alcohol, >10 - <20 EO	surfactant, nonionic	4,86	0,05	R
21190	C12-16 Alcohol, >20 - <30 EO	surfactant, nonionic	4,86	0,05	R
21200	C12-16 Alcohol, ≥30 EO	surfactant, nonionic	56	0,6	I
21210	C12-18 Alcohol, ≤2,5 EO	surfactant, nonionic	0,47	0,02	R
21220	C12-18 Alcohol, >2,5 - ≤5 EO	surfactant, nonionic	0,2	0,02	R
21230	C12-18 Alcohol, >5 - ≤10 EO	surfactant, nonionic	0,39	0,02	R
21240	C12-18 Alcohol, >10 EO	surfactant, nonionic	1,52	0,05	R
21250	C16-18 Alcohol, ≤2,5 EO	surfactant, nonionic	0,054	0,02	R
21260	C16-18 Alcohol, >2,5 - ≤8 EO	surfactant, nonionic	0,082	0,02	R
21270	C16-18 Alcohol, >9 - ≤19 EO	surfactant, nonionic	0,11	0,05	R
21280	C16-18 Alcohol, >20 - ≤30 EO	surfactant, nonionic	28,6	0,05	R
21290	C16-18 Alcohol, >30 EO	surfactant, nonionic	1,5	0,6	I
21300	C12-15 Alcohol, ≥2 - ≤6 EO, ≥2 - ≤6 PO	surfactant, nonionic	0,036	0,05	R
21310	C10-16 Alcohol, 6-7 EO, ≤3 PO	surfactant, nonionic	0,1	0,05	R
21320	C12-18 Alkyl glycerol ester (even numbered), 1-6,5 EO	surfactant, nonionic	0,5	0,05	R
21330	C12-18 Alkyl glycerol ester (even numbered), >6,5-17 EO	surfactant, nonionic	0,5	0,05	R
21340	C4-10 Alkyl polyglycoside	surfactant, nonionic	1,75	0,02	R

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21350	C8-12 Alkyl polyglycoside, branched	surfactant, nonionic	10	0,05	R
21360	C12-14 Alkyl polyglycoside	surfactant, nonionic	1,75	0,02	R
21370	C16-18 Alkyl polyglycoside	surfactant, nonionic	1,75	0,02	R
21380	Coconut fatty acid monoethanolamide	surfactant, nonionic	0,07	0,05	R
21390	Coconut fatty acid monoethanolamide 4-5 EO	surfactant, nonionic	0,34	0,05	R
21400	Coconut fatty acid diethanolamide	surfactant, nonionic	0,07	0,05	R
21410	PEG-4 Rapeseed amide	surfactant, nonionic	0,35	0,05	R
21420	Amines, coco, ≥10- ≤15 EO	surfactant, nonionic	0,128	0,05	R
21430	Amines, tallow, ≤2,5 EO	surfactant, nonionic	0,00107	0,05	R
21440	Amines, tallow, ≥5 - ≤9 EO	surfactant, nonionic	0,00107	0,05	R
21450	Amines, tallow, ≥10 - ≤19 EO	surfactant, nonionic	0,022	0,05	R
21460	Amines, tallow, ≥20 - ≤50 EO	surfactant, nonionic	0,18	0,6	I
21470	Amines, C18/18 unsaturated, ≤2,5 EO	surfactant, nonionic	0,00107	0,05	R
21480	Amines C18/18 unsaturated, ≥5 - ≤15 EO	surfactant, nonionic	0,0005	0,05	R
21490	Amines, C18/18 unsaturated, 20 EO	surfactant, nonionic	0,02	0,6	I
21500	C12 sorbitan monoester, 20 EO (polysorbate 20)	surfactant, nonionic	100	0,6	R
21510	C18 sorbitan monoester, 20 EO	surfactant, nonionic	5	0,6	I
21520	C8-10 Sorbitan mono- or diester	surfactant, nonionic	3,2	0,05	R
21530	Sorbitan stearate	surfactant, nonionic	100	0,05	R
21540	C12-14 Fatty acid methyl ester (MEE), 1-30EO	surfactant, nonionic	0,254	0,05	R
21550	C8-10 Glucamide	surfactant, nonionic	100	0,02	R
21560	C12-14 Glucamide	surfactant, nonionic	4,3	0,02	R
21570	C16-18 Glucamide	surfactant, nonionic	0,06	0,02	R
21580	C8-18 Glucamide (Cocoyl)	surfactant, nonionic	3,1	0,02	R
21590	C16-18 Glucamide (Oleyl)	surfactant, nonionic	0,25	0,02	R
21600	Dehypon GRA™ (modified fatty alcohol polyglycol ether)	surfactant, nonionic	3,2	0,05	R
21610	Dehypon E 127™ (modified fatty alcohol polyglycol ether)	surfactant, nonionic	0,32	0,05	R
21620	Dehypon LF 301™ (alcohol alkoxylate)	surfactant, nonionic	0,088	0,05	R
21630	Lutensol M5™ (C10-18 alcohol ethoxylate)	surfactant, nonionic	0,72	0,05	R
21640	Lutensol M7™ (C10-18 alcohol ethoxylate)	surfactant, nonionic	0,24	0,05	R
21650	Dehypon LS 54™ (alcohol alkoxylate)	surfactant, nonionic	0,1	0,05	R
22010	C12-15 Alkyl dimethyl betaine	surfactant, amphoteric	0,135	0,05	R
22020	C8-18 Alkyl amidopropylbetaines	surfactant, amphoteric	0,135	0,05	R
22030	C12-18 Alkyl amine oxide	surfactant, amphoteric	0,067	0,05	R
22040	C12-14 Alkyl amidopropyl amine oxide	surfactant, amphoteric	0,3	0,05	R
22050	C12-18 Alkyl amidopropyl amine oxide	surfactant, amphoteric	0,3	0,05	R
22060	C10-18 Alkyl dimethyl amine oxide	surfactant, amphoteric	0,067	0,05	R
22070	C8-18 Amphoacetates	surfactant, amphoteric	0,172	0,05	R
23010	C8-16 alkyltrimethyl or benzyldimethyl quaternary ammonium salts	surfactant, cationic	0,00415	0,05	R
23020	C16-18 alkyl benzyldimethyl quaternary ammonium salts	surfactant, cationic	0,025	0,05	R
23030	tri C16-18 Esterquats	surfactant, cationic	1	0,05	R
23040	di C16-18 Esterquats	surfactant, cationic	0,69	0,05	R
24010	1,2-Benzisothiazol-3-one (BIT)	preservatives	0,04	0,6	I
24020	Benzyl alcohol	preservatives	10,2	0,13	R
24030	5-bromo-5-nitro-1,3-dioxane	preservatives	0,004	1	P
24040	2-bromo-2-nitropropane-1,3-diol	preservatives	0,1	0,6	I
24050	Chloroacetamide	preservatives	0,0481	0,13	R
24060	Diazolidinylurea	preservatives	0,35	1	P
24070	Formaldehyde	preservatives	0,02	0,13	R
24080	Glutaraldehyde	preservatives	0,0223	0,13	R
24090	Guanidine, hexamethylene-, homopolymer	preservatives	0,0024	1	P
24100	CMI + MI in mixture 3:1 (CAS 55965-84-9)	preservatives	0,0012	0,6	I
24110	2-Methyl-2H-isothiazol-3-one (MI)	preservatives	0,03	0,6	I
24120	Methyldibromoglutaronitrile	preservatives	0,0015	0,13	R
24130	Methyl-, Ethyl- and Propylparaben	preservatives	0,154	0,1	R
24140	o-Phenylphenol	preservatives	0,009	0,1	R
24150	Sodium benzoate	preservatives	1,3	0,13	R
24160	Sodium hydroxy methyl glycinate	preservatives	0,365	0,6	I
24170	Sodium nitrite	preservatives	3,6	1	NA
24180	Triclosan	preservatives	0,00069	0,3	I
24190	Phenoxy-ethanol	preservatives	9,43	0,13	R
24200	Sorbate and sorbic acid	preservatives	0,241	0,13	R
24210	N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine	preservatives	0,0085	0,13	R
24220	Phenoxypropanol	preservatives	1	0,13	R
25010	Silicon	miscellaneous	25	0,4	P
25020	Paraffin (CAS 8002-74-2)	miscellaneous	100	0,4	P
25030	Glycerol	miscellaneous	8,85	0,13	R
25040	Phosphate, as STPP	miscellaneous	16	0,1	NA

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25050	Zeolite (Insoluble Inorganic)	miscellaneous	100	0,1	NA
25060	Citrate and citric acid	miscellaneous	16	0,13	R
25070	Polycarboxylates homopolymer of acrylic acid	miscellaneous	12	0,75	P
25080	Polycarboxylates copolymer of acrylic/maleic acid	miscellaneous	5,8	0,11	P
25090	Nitrilotriacetat (NTA)	miscellaneous	12,8	0,13	R
25100	GLDA	miscellaneous	100	0,13	R
25110	EDTA	miscellaneous	4,4	0,6	I
25120	Phosphonates	miscellaneous	5	0,6	P
25130	EDDS	miscellaneous	25	0,13	R
25140	Carboxymethyl inulin (CMI)	miscellaneous	423	0,6	I
25150	Clay (Insoluble Inorganic)	miscellaneous	10	0,1	NA
25160	Carbonates	miscellaneous	25	0,001	NA
25170	Veg. Oil	miscellaneous	1	0,07	R
25180	Veg. Oil (hydrogenated)	miscellaneous	1	0,07	R
25190	Lauric Acid (C12:0)	miscellaneous	0,47	0,07	R
25200	Fatty acids, C≥14-C≤22 (even numbered)	miscellaneous	5	0,05	R
25210	Fatty acid, C≥6-C≤12 methyl ester	miscellaneous	0,084	0,07	R
25220	Lanolin	miscellaneous	1	0,07	R
25230	Soluble Silicates	miscellaneous	20,7	0,9	NA
25240	Polysparaginic acid, Na-salt	miscellaneous	41	0,13	R
25250	Perborates (as Boron)	miscellaneous	1,4	1	NA
25260	Percarbonate	miscellaneous	0,7	0,001	NA
25270	H2O2	miscellaneous	0,22	0,001	NA
25280	Tetraacetythylenediamine (TAED)	miscellaneous	100	0,13	R
25290	C1-C3 alcohols	miscellaneous	10	0,13	R
25300	Cetyl Alcohol	miscellaneous	20	0,07	R
25310	Mono-, di- and triethanol amine	miscellaneous	0,156	0,13	R
25311	Monoethanol amine	miscellaneous	0,85	0,13	R
25312	Monoethanol amine citrate	miscellaneous	1,66	0,13	R
25320	Polyvinylpyrrolidon (PVP)	miscellaneous	100	0,6	I
25330	Carboxymethylcellulose (CMC)	miscellaneous	100	0,6	I
25340	Sodium and magnesium sulphate	miscellaneous	100	1	NA
25350	Calcium- and sodiumchloride	miscellaneous	100	1	NA
25360	Urea	miscellaneous	91	0,13	R
25370	Silicon dioxide, quartz (Insoluble inorganic)	miscellaneous	10	0,1	NA
25380	Polyethylene glycol, MW≥4100	miscellaneous	100	0,6	I
25390	Polyethylene glycol, MW<4100	miscellaneous	100	0,13	R
25400	Cumene sulphonates	miscellaneous	4,5	0,13	R
25410	Xylene Sulphonate	miscellaneous	3,1	0,13	R
25420	Na-/Mg-/KOH	miscellaneous	3	0,001	NA
25430	Ammonia	miscellaneous	0,05	0,05	NA
25440	Proteins	miscellaneous	0,25	0,13	R
25450	Proteinhydrolyzates, wheatgluten	miscellaneous	1,13	0,13	R
25460	Protease (active enzyme protein)	miscellaneous	0,0012	0,001	R
25461	Protease (active enzyme) Subtilisin™	miscellaneous	0,0012	0,0001	R
25470	Non-protase (active enzyme protein)	miscellaneous	0,18	0,001	R
25480	2-Butanone (Methylethylketon)	miscellaneous	19,7	0,13	R
25490	Perfume, if not other specified	miscellaneous	0,02	0,1	I
25500	Dyes, if not other specified	miscellaneous	0,1	1	P
25510	Polysaccharides including starch	miscellaneous	10	0,13	R
25520	Anionic polyester	miscellaneous	65	1	P
25530	PVNO/PVPI	miscellaneous	53	1	P
25540	Zn Ftalocyanin sulphonate	miscellaneous	0,016	0,07	P
25550	Iminodisuccinat	miscellaneous	17	0,13	R
25560	FWA 1	miscellaneous	1,1	0,2	P
25570	FWA 5	miscellaneous	1	1	P
25580	1-decanol	miscellaneous	0,022	0,07	R
25590	Methyl laurate	miscellaneous	0,00792	0,07	R
25600	Formic acid (Ca salt)	miscellaneous	1	0,13	R
25610	Adipic acid	miscellaneous	0,31	0,13	R
25620	Maleic acid	miscellaneous	1,06	0,13	R
25630	Malic acid	miscellaneous	1,06	0,13	R
25640	Tartaric acid	miscellaneous	0,51	0,13	R
25650	Phosphoric acid	miscellaneous	13,8	0,1	NA
25660	Oxalic acid	miscellaneous	1,28	0,13	R
25670	Acetic acid	miscellaneous	0,3	0,13	R
25680	Lactic acid	miscellaneous	1,3	0,13	R
25690	Sulphamic acid	miscellaneous	4,8	1	NA

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25700	Salicylic acid	miscellaneous	2	0,1	R
25710	Glycolic acid	miscellaneous	0,312	0,13	R
25720	Glutaric acid	miscellaneous	2,08	0,13	R
25730	Malonic acid	miscellaneous	0,95	0,13	R
25740	Ethylene glycol	miscellaneous	65	0,13	R
25750	Ethylene glycol monobutyl ether	miscellaneous	88	0,13	R
25760	Diethylene glycol	miscellaneous	100	0,13	R
25770	Diethylene glycol monomethyl ether	miscellaneous	5	0,13	R
25780	Diethylene glycol monoethyl ether	miscellaneous	39,4	0,13	R
25790	Diethylene glycol monobutyl ether	miscellaneous	12,5	0,13	R
25800	Diethylene glycol dimethylether	miscellaneous	64	0,6	I
25810	Propylene glycol	miscellaneous	320	0,13	R
25820	Propylene glycol monomethyl ether	miscellaneous	5	0,13	R
25830	Propylene glycol monobutylether	miscellaneous	7,63	0,13	R
25840	Dipropylene glycol	miscellaneous	34,5	0,13	R
25850	Dipropylene glycol monomethyl ether	miscellaneous	0,1	0,13	R
25860	Dipropylene glycol monobutylether	miscellaneous	8,41	0,13	R
25870	Dipropylene glycol dimethylether	miscellaneous	10	0,6	I
25880	Triethylene glycol	miscellaneous	44	0,6	I
25890	Tall oil	miscellaneous	0,018	0,07	R
25900	Ethylenebisstearamides	miscellaneous	1	0,3	I
25910	Sodium gluconate	miscellaneous	40	0,13	R
25920	Glycol distearate	miscellaneous	20	0,07	R
25930	Hydroxyl ethyl cellulose	miscellaneous	2,09	0,75	P
25940	Hydroxypropyl methyl cellulose	miscellaneous	1,88	0,75	P
25950	1-methyl-2-pyrrolidone	miscellaneous	2,5	0,13	R
25960	Xanthan gum	miscellaneous	49	0,13	R
25970	Trimethyl pentanediol mono-isobutyrate	miscellaneous	0,33	0,07	R
25980	Benzotriazole	miscellaneous	0,56	1	P
25981	Toluyltriazole = (4,5) Methyl 1H Benzotriazole	miscellaneous	0,593	1	P
25990	Piperidinol-propanetricarboxylate salt	miscellaneous	12	0,6	I
26020	Pentaerythritol-tetrakis-phenol-propionate	miscellaneous	0,38	0,75	P
26030	Block polymers	miscellaneous	1	1	P
26040	Denatonium benzoate	miscellaneous	0,13	1	O
26050	Succinate	miscellaneous	0,407	0,13	R
26060	Polyaspartic acid	miscellaneous	52,8	0,13	R
26070	Mn-saltren (CAS 61007-89-4)	miscellaneous	0,43	0,3	I
26080	Tri-sodium methylglycine diacetat	miscellaneous	100	0,13	R
26090	Tocopherol acetate	miscellaneous	20	0,4	R
26100	Ethylhexyl salicylate	miscellaneous	1	0,13	R
26110	Ethylhexyl triazone	miscellaneous	1	0,4	P
26120	Octocriene	miscellaneous	1	0,4	P
26130	Bis-ethylhexyloxyphenol methoxyphenyl triazine	miscellaneous	1	0,4	P
26140	Butyl methoxydibenzoylmethane	miscellaneous	1	0,4	P
26150	e-phthalimidoperoxyhexanoic acid	miscellaneous	0,0059	0,001	R
26160	PVA Polyvinyl alcohol	miscellaneous	100	0,6	I
26170	Permil ME C6-10 HD TM (fatty acid methylester)	miscellaneous	6,8	0,13	R
26180	Sodium Hypochlorite	miscellaneous	0,001	0,001	NA