

Table 1 Flushable (F) and Non-flushable (NF) wet wipes used in the present study including degradation, recycling and ingredients as indicated by the manufacturer label, (ND, Not Disclosed)

Product	Disposal	Degradation	Recycling	Ingredients
F1	F	biodegradable	ND	ethanol, non-ionic surfactants, perfume, limonene, disinfectant
F2	F	ND	ND	5% non-ionic surfactant, cationic surfactant, oxygen based bleaching agents, perfume, iodopropynyl butylcarbamate, disinfectant agent (DDAC 0.75g per 100g liquid), hydrogen peroxide (0.5g per 100g liquid)
F3	F	ND	ND	Disinfectant, benzalkonium chloride, parfum (<u>do not flush written in the label</u>)
F4	F	ND	7 other	Aqua, disodium EDTA, phenoxyethanol, polysorbate 20, chamomilla recutita, parfum, aloe barbadensis leaf juice, , propylene glycol, allantoin, capryl/capramidopropyl betaine, methylparaben, propylparaben, 2-bromo-2-nitropropane-1-3diol, sodium lactate
F5	F	biodegradable	7 other	Aqua, benzoic acid, citric acid, dehydroacetic acid, phenoxyethanol, sodium citrate, tocopheryl acetate, sodium benzoate, parfum, propylene glycol, sodium cocoyl glutamate, (Mix paper from responsible sources)
F6	F	biodegradable	7 other	Aqua, cetearyl isononanoate, benzoic acid, cetareth-12, cetareth-20, citric acid, glycerin, glyceryl stearate, tocopheryl acetate, cetearyl alcohol, chamomilla recutita flower extract, coco-glucoside, phenoxyethanol, sodium benzoate, parfum, aloe barbadensis leaf juice, potassium sorbate, cetyl palmitate, (Mix paper from responsible sources)
NF1	NF	ND	7 other	Aqua, benzoic acid, dehydroacetic acid, phenoxyethanol, sodium hydroxide, aloe barbadensis leaf extract, acrylates/vinyl isodecanoate crosspolymer, octyldodecanol, sodium lauriminodipropionate, simmondsia chinensis seed oil, (Mix paper from responsible sources)
NF2	NF	ND	7 other	Aqua, glycerin, polyglyceryl-2 dipolyhydroxystereate carbomer, coco-glucoside, lauril glucoside, glyceryl oleate, hydrogenatedpalm glycerides citrate, glyceryl polyacrylate, p-anisic acid citric acid, sodium hydroxide, tocopherol, phenoxyethanol, sodium benzoate, parfum

NF3	NF	ND	ND	Aqua, citric acid, disodium EDTA, glycerin, glyceryl stearate, tocopherol, phenoxyethanol, sodium benzoate, parfum, PEG-100 stearate, rosa gallica extract/rosa gallica flower extract, calcium pantothenate sulfonate, prunus amygdalus dulcis oil/ sweet almond oil, ammonium polyacrylamide/ ammonium polyacryloyldimethyl taurate, cocoamidopropyl betaine, isopropyl palmitate, xanthan gum, cetyl alcohol, myristimonium bromide, linalool, geraniol, eugenol, limonene, citronellol, benzyl alcohol, fragrance (B164751/4)
NF4	NF	ND	ND	Aqua, ethanol, benzalkonium chloride, parfum
NF5	NF	ND	7 other	Aqua, cetearyl isononanoate, benzoic acid, cetareth-12, cetareth-20, citric acid, dehydroacetic acid, disodium EDTA, glycerin, glyceryl stearate, panthenol, pantolactone, phenoxyethanol, sodium citrate, tocopheryl acetate
NF6	NF	ND	ND	Aqua, cetearyl isononanoate, benzoic acid, cetareth-12, cetareth-20, citric acid, dehydroacetic acid, disodium EDTA, glycerin, phenoxyethanol, sodium citrate, cetearyl alcohol, cetearyl stearate, polysorbate 20, aloe barbadensis leaf juice, chamomilla recutita flower extract, propylene glycol
NF7	NF	ND	ND	Aqua, cetearyl isononanoate, benzoic acid, cetareth-12, cetareth-20, citric acid, dehydroacetic acid, glycerin, glyceryl stearate, phenoxyethanol, sodium citrate, tocopheryl acetate, cetearyl alcohol, sodium hydroxide, sodium benzoate, parfum, aloe barbadensis leaf juice, cucumis sativus (cucumber) fruit extract, polysorbate 20, PEG-35 castor oil, tetrasodium glutamate diacetate, potassium sorbate