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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 dipolyhydroxystearate 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 |