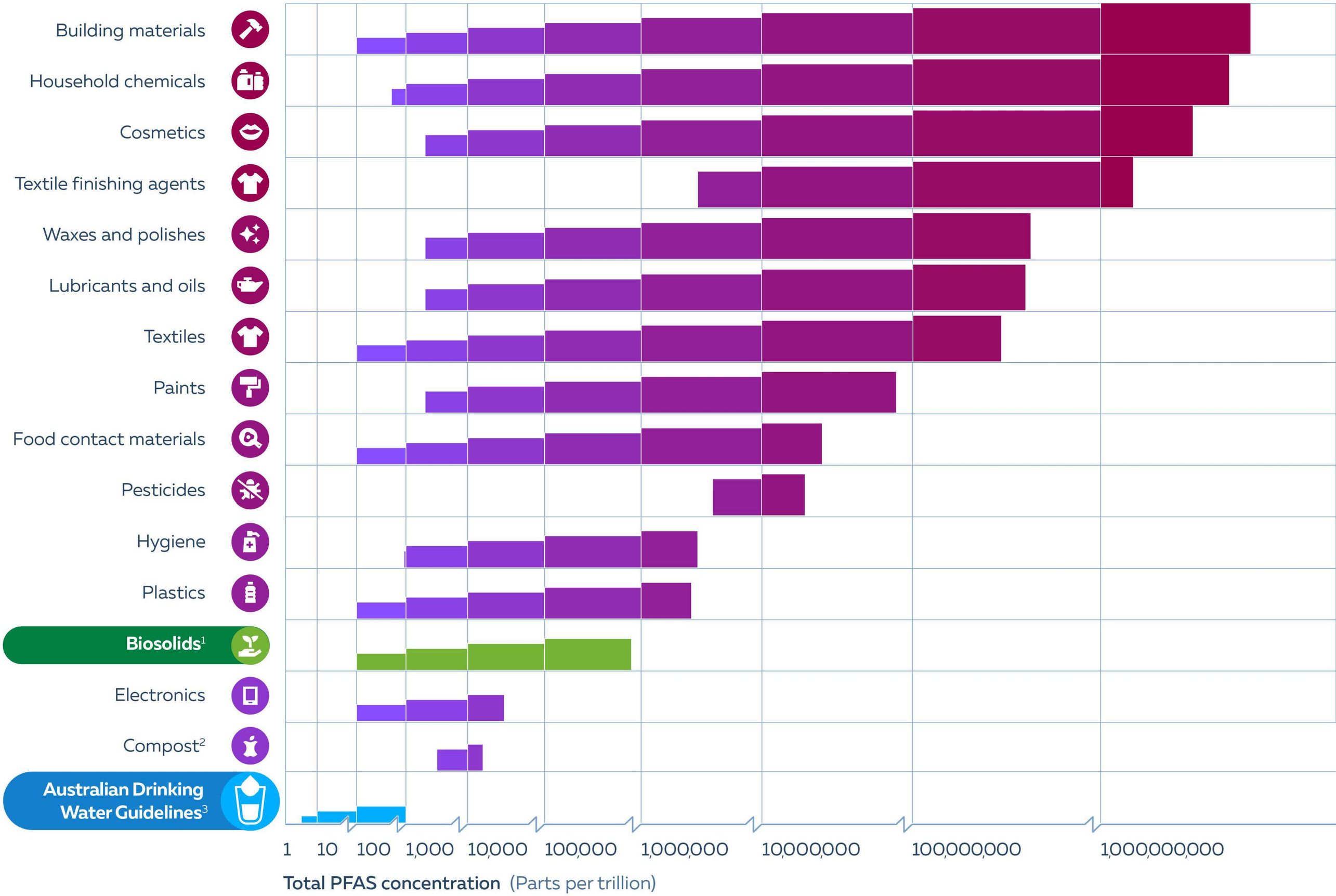
Relative concentrations of PFAS in consumer products, drinking water guidelines and biosolids



1 Nguyen, H.T., Thai, P.K., Kaserzon, S.L., O'Brien, J.W., Mueller, J.F. (2024) Nationwide occurrence and discharge mass load of per- and polyfluoroalkyl substances in effluent and biosolids: A snapshot from 75 wastewater treatment plants across Australia. Journal of Hazardous Materials 470, 134203

Moodie, D., Coggan, T., Berry, K., Kolobaric, A, Fernandes, M., Lee, E., Reichman, S., Nugegoda, D., Clarke, B. (2021), Legacy and emerging per- and polyfluoroalkyl substances (PFASs) in Australian biosolids. Chemosphere 270, 129143

2 Sivaram, A. K., Panneerselvan, L., Surapaneni, A., Lee E., Kannan, K., Megharaj, M. (2022). Per- and polyfluoroalkyl substances (PFAS) in commercial composts, garden soils, and potting mixes of Australia. Environmental Advances 7, 100174

3 National Health and Medical Research Council (NHRMC). (2024), **Per- and poly-fluoroalkyl substances (PFAS) Chemical Fact Sheet** (Draft)

Chart developed based on Dewapriya, P., Chadwick, L., Gorji, S.G., Schulze.B, Valsecchi, S., Samanipour, S., Thomas, K.V., and Kaserzon, S. L. (2023). Per- and polyfluoroalkyl substances (PFAS) in consumer products: current knowledge and research gaps. Journal of Hazardous Materials Letters 4 100086 1-7

Note Total PFAS concentrations in various consumer and industrial product categories globally in comparison with the proposed ADWG and biosolids, presented in ng/L or ng/Kg equivalent to ppt. Concentrations presented provide the range of total PFAS concentrations items contained in the reference studies and do not attempt to convey how much PFAS could contaminate the environment, be ingested or dermally absorbed by people. Data include several types of PFAS commonly found in the market, including but not limited to PFCAs (e.g., PFOA), PFSAs (e.g., PFBS, PFHxS, PFOS), fluorotelomers, sulfonamides, PAPs, and other novel PFAS.