

Tiered testing scheme on physico-chemical testing for REACH

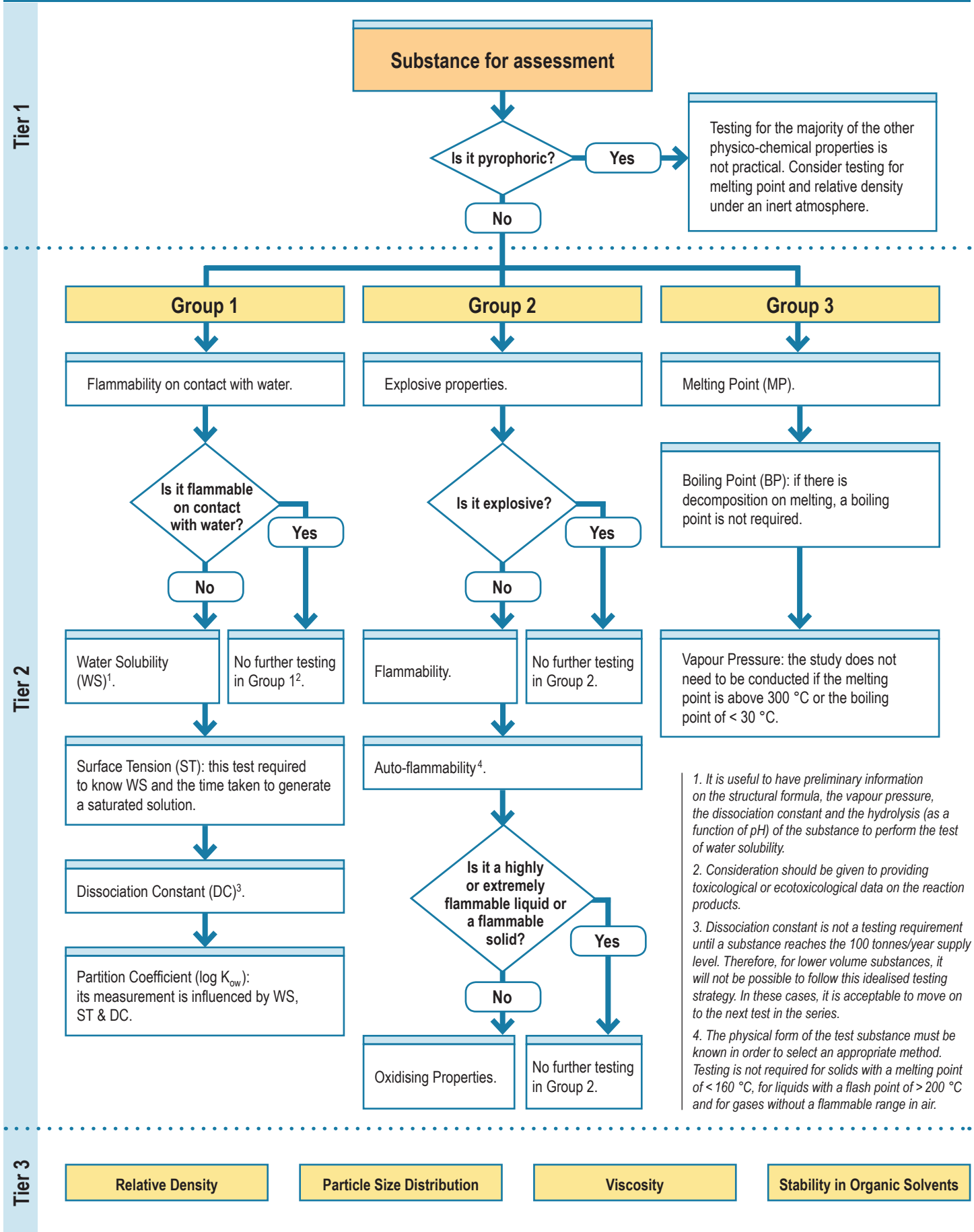


Diagram adapted from a figure given in the "Guidance on information requirements and chemical safety assessment – R.7a".

1. It is useful to have preliminary information on the structural formula, the vapour pressure, the dissociation constant and the hydrolysis (as a function of pH) of the substance to perform the test of water solubility.
2. Consideration should be given to providing toxicological or ecotoxicological data on the reaction products.
3. Dissociation constant is not a testing requirement until a substance reaches the 100 tonnes/year supply level. Therefore, for lower volume substances, it will not be possible to follow this idealised testing strategy. In these cases, it is acceptable to move on to the next test in the series.
4. The physical form of the test substance must be known in order to select an appropriate method. Testing is not required for solids with a melting point of < 160 °C, for liquids with a flash point of > 200 °C and for gases without a flammable range in air.

