Overview of differences in scoring between the Solvent Sustainability Guide for Paints and Coatings and *Green Chem.*, 2016, **18**, 3879-3890

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| --- | --- | --- |
|  | **Consumer** | **Industrial** |
| 1- incineration | Included in composite score, no water factor in individual score | Included in composite score, however a smaller emphasis than in the previous guide)  (em^2 x burn^2 x water)^(1/5) |
| 2 - recycling | Not included in composite score | Included in composite score, (bp^2 x flam/expl x react x ease of drying)^1/5 |
| 3 - biotreatment | Does not include component for release to air that previous guide did | Does not include component for release to air that previous guide did |
| 4 - VOC emissions | unchanged | unchanged |
| 5 - water impact | unchanged | unchanged |
| 6 - air impact | SPCP added | unchanged |
| 7 - health | flowchart logic changed slightly, as if no OEL value is available the score is based solely on the GHS phrases. | flowchart logic changed slightly, as if no OEL value is available the score is based solely on the GHS phrases. |
| 8 - exposure potential | unchanged | unchanged |
| 9 - flammability/explosivity | unchanged | unchanged |
| 10 - reactivity | Unlike the GSK Solvent Sustainability Guide, the reactivity and stability score did not include a component for special hazards, to capture any special or unusual hazards such as pyrophoric or shock sensitive solvents, as unsurprisingly for solvents used in paints and coatings, none were found to meet this criterion. | Unlike the GSK Solvent Sustainability Guide, the reactivity and stability score did not include a component for special hazards, to capture any special or unusual hazards such as pyrophoric or shock sensitive solvents, as unsurprisingly for solvents used in paints and coatings, none were found to meet this criterion. |
| 11 - GWP | new for this guide | new for this guide |
| 12 - biosourcing | new for this guide | new for this guide |