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Solvent: Constraint for Sustainable development in Pharmaceutical Industry

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PURPOSE OF THE ABSTRACT

Solvents constitute the bulk of the materials used in the production of fine chemical and pharmaceutical products. Therefore, to limit the environmental impact of these products, solvent selection is paramount in reaction and process design. That why many pharmaceutical companies have developed their own solvent selection guide. On Oril Industrie, chemical subsidiary of Servier, we had developed our own guide based on our criteria related to our Corporate Social Responsibility and 12 principles of Green Chemistry. During the presentation, the construction of our own solvent selection guide will be highlighted: explanation of the customization of a solvent selection guide, involvement of people at every level and profession for construction and promotion, broadcasting the guide to create a new way of thinking development. The creation of this guide has led to the opening to new actions like construction of a solvent substitution guide and an evaluation of new chemical process during development.

FIGURES

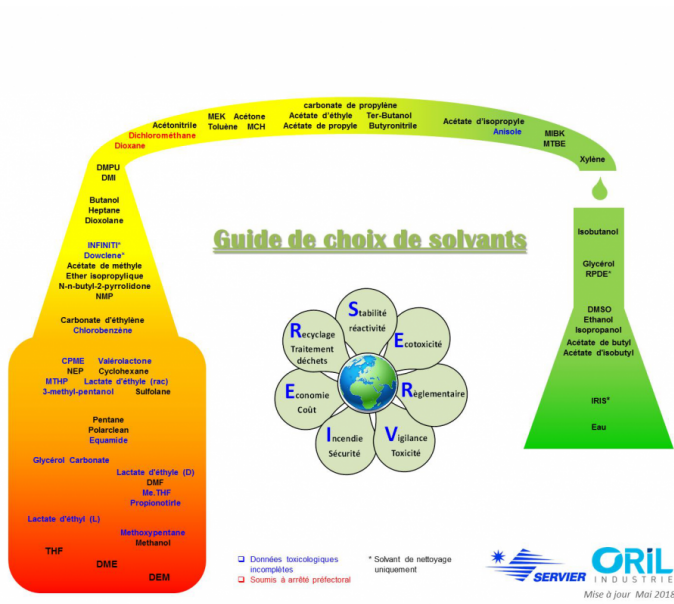


FIGURE 1
 ORIL Solvent selection guide
 ORIL Solvent selection guide

FIGURE 2

KEYWORDS

Solvent selection guide | Sustainable chemistry | Chemical development | Corporate social responsibility

BIBLIOGRAPHY

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