

Registration for Safe Use of SDA Product as a Chemical Substance within European REACH Regulation; Results and Prospects

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REACH is an EU regulation concerning Registration, Authorisation, Evaluation and Restriction of Chemicals operating since 1st June 2007. All chemicals manufactured in or imported into the EU have to be registered at the European Chemicals Agency (ECHA). The registration requires information on the properties and the potential risks of the substances.

In September of 2010 a Consortium of Producers of Semi-Dry Adsorption residue from flue-gas desulphurisation, with Utex Ltd acting as a Lead Registrant, managed to effectively register SDA Product with ECHA, according to REACH procedures. This was preceded by agreeing upon a Substance Identification Profile, catering for the significant variability of this substance. Then an extensive testing programme was implemented, divided into three areas of: physico-chemical properties, toxicology and ecotoxicology, leading to a Registration Dossier submitted to ECHA. Results of the tests were evaluated and led to adopting a classification of the substance, which was compiled in a Chemical Safety Report. In case of SDA Product the CSR Report states that:

“ SDA Product is not classified according to directive 67/584/EEC. There is no concern from the use of SDA Product with regards to human or environmental exposure. No risk management measures have been identified as required.”

Though this represents a major step forward allowing for these CCPs being normally used in market practices, REACH system assumes that within two years since the registration, some further studies proposed during the process will be decided and implemented. On top of that, new developments in science and our understanding of interaction of SDA products with environment and biosphere may warrant further studies. Nevertheless, being able to compare the properties of SDA product with other chemical substances available on the market, within a sophisticated framework of testing, evaluation and classification, is a major step forward facilitating beneficial use of these CCP materials.