

Technical Tuesdays

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REACH compliance

REACH Stands for Registration , Evaluation & Authorisation Of Chemicals.

- REACH is a EU System Regulation for Chemical Substances which Entered into force on 1-Jun-2007
- It streamlines and improves the former legislative framework on chemicals of the European Union (EU).

Main objective of REACH:

- to ensure a high level of protection of human health and the environment from the risks that can be posed by chemicals,
- The promotion and use of alternative test methods,
- To enhance competitiveness and innovation.

Key definitions - REACH :

Mixture/preparation - solution composed of two or more Substances

Substance - chemical element and its compounds in the natural state or obtained by any manufacturing process, including any additive necessary to preserve its stability and any impurity deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition”

Article - any suitable preparation put on a casting to modify/improve the performance/appearance.

- Substances in article not intended to be released (Eg:detergent from wipes)
- Substance in article to be released (Eg:Scented scandals)

Substances of Very high concern (SVHCs):

- CMR: Carcinogenic, mutagenic and toxic for reproduction
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative Substances
- Similar substances, e.g. endocrine disrupter

*A knowledge sharing initiative of Resil Chemicals.
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What is Pre-registration????

- All substances that are already on the market can be pre-registered if the manufacturer/supplier is confident about the ingredients of the same.
- Only pre-registered substances benefit from phase-in periods and can continue to be sold before full registration is complete

Phase - in product definition!!!!

Substances listed in the EINECS list (European Inventory of Existing Commercial Chemical Substances) or Substances that have been manufactured/imported in the EU but not placed on the EU market in the last 15 years or So-called “no-longer polymers”.

REACH compliance application involves :

Registration: Dossier/substrate evaluation for the listed SVHCs

Evaluation: action plan describing suitable risk preventions /adequate control measures if the SVHCs are present.

Restriction: if the risks not adequately controlled, final decision of restriction of the same taken by the commission.

What are the general Information's required for REACH Registration by a supplier/manufacturer?

- Properties
- Intended uses
- Likely exposure scenarios
- Potential risks to human health and the environment
- How the risks will be managed

What Data/Testing Involved to comply REACH ?

- Physical and chemical data
 - Environmental data
 - Ecotoxicological data
- Mammalian toxological-related data

To conclude all the substances/products entering into EU will accompany REACH certification as per the commission

“Have a happy week ahead”

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