



Services and Activities provided by CTN for Detox committed companies.

Objectives:

1 - provide a Detox expertise unit to support and transparently track the implementation of Detox committed companies, including actions towards Responsible Design and Living (Extended Producer Responsibility)

2 - develop a set of common tools that ensures the Detox standard is transparent and the principles of

- a) Precautionary (hazard based) proactive action using the latest science publications and research and the most complete screening tools on hazardous chemicals (eg Greenscreen and fully comprehensive MRSL list - as per annex 1 Detox commitment)
- b) 'No-safe-levels' management approach to (contamination with) hazardous chemicals (ie lowest detection limits technically possible)
- c) 100% transparency on methods and criteria used to set up tools
- d) Regular updating in line with scientific information and best hazards screening methods

The tools and processes should include:

- Hazardous chemicals Detox MRSL update methodology
- Reference Detox-standard MRSL with both inputs (formulations), discharges and product limits
- Minimum requirements for comprehensive hazardous chemicals studies to identify which other priority groups of hazardous chemicals on the MRSL are in use (testing and selection method). Minimum requirements on hazardous chemicals use and discharge monitoring and disclosure (IPE template)
- Self reporting templates
- Identification and development of necessary criteria/guidelines that could be used by external third parties for auditing/verification or certification

ACTIVITIES

February 2016

Tools:



- **CTN Environment department** set up a Detox implementation website for tracking the progress of the tools and processes (ready for public launch or shortly after)
- Development / upgrading and publication of a common reference Detox-standard M-RSL (including detection limits and lab methods used in line with best technically possible limits)
- Publication of the hazards based methodology that was used to derive the reference Detox-standard MRSL.
(Detox - standard reference M-RSL and methodology to be reviewed and updated on a yearly basis).
- **CTN Environment department** will establish methods for full MRSL 'hazardous chemicals scanning' to be carried out by companies (to identify areas for joint studies on further priority groups).

Processes:

- Initial Wastewater testing on 11 priority groups of substances. (The companies will choose the laboratory to trust among those accredited, so long as they meet the Detox-standard MRSL limits)
- **CTN Environment department** support and coordinate the disclosure and uploading on the IPE platform of wastewater discharge test results (using Detox-standard MRSL limit values) of at least 50 % of the companies global wet process supplier facilities or affiliates where hazardous chemicals are used.
- **CTN Environment department** elaborate, coordinate and support the sampling plan and activities that companies will have to perform on products and formulations in order to verify the compliance on elimination of the 11 groups of hazardous chemicals included in the Detox commitment. The individual results will be published on the companies website. The **CTN Environment department** coordinate the publication of results on individual company websites and create and publish on CTN Detox implementation website a public database of aggregated data.
- **CTN Environment department** Starts a campaign to strengthen the contractual language and agreement with suppliers to ensure that only chemical formulations free from the hazardous chemicals on the MRSL (starting with the 11 priority groups, in particular APEO's) are used. To be reviewed and updated annually to add any further problematic groups of chemicals identified by joint studies and indicated in the revised reference Detox -standard MRSL. The "**CTN Environment department**" will provide the forms and tools to contact suppliers and reporting back on responses.
- **CTN Environment department** starts traceability program of hazardous substances found in water (discharges as well as inputs eg formulations, cross contamination) and



communication of their possible presence (clean factory approach). The **CTN Environment department** will provide the tools for communication and data tracking and assist smaller companies to resolve continued contamination in cases of low contractual leverage.

- **CTN Environment department** will begin a joint study with Detox committed companies on specific topics including
 - Full- MRSL 'hazardous chemicals testing studies' to inform identification of other priority hazardous chemicals beyond the 11 groups present in waste waters (or inputs or products) that would need a specific action plan and date for elimination AND will be added to the supplier product, formulations and discharge testing requirements;
 - Studies on Economic value of recycling and reusing pre-consumption waste; and other activities such as on solutions for closing the loop with products and increasing durability/extending the life-cycle.
 - Research on Tetrachlorethylene substitution;

June 2016

- Publication of an action plan on chlorinated solvents for their elimination by 2017
- Start of traceability program on hazardous chemicals in recycled textiles and communication of their possible presence to customers/supply chain: **CTN Environment department** coordinates and plan for representative samplings and provide tools for communication with suppliers and final clients. The test results will be published in aggregate form on the Detox implementation website of the CTN.
- Launch of a pilot project on training, upcycling, improving design and remanufacturing products according to the objectives under the Responsible Design and Consumption objectives.

September 2016

- Publication on IPE of wastewater discharge test results (using Detox-standard MRSL limit values) of at least 80 % of the companies global wet process supplier facilities or affiliates where hazardous chemicals are used. **CTN Environment department** will support the data publication.
- Detox committed companies will choose the laboratory to trust among those accredited so long as they meet the Detox-standard MRSL limits.
- Test the preliminary results in terms of elimination of APEO's and PFCs in finished textiles. Detox committed companies will publish their report on their own website.
- Report on progress on the elimination of 11 groups of chemicals and publication of case studies (particularly of APEO's and PFC). The individual results will be published on the company website. The **CTN Environment department** will support the wider publication (including submission of substitution case studies to the European Chemical Agency,



requesting the creation of a publically accessible alternatives database). The results aggregates will also be published on the CTN Detox website.

- **CTN Environment department** asses together with credible independent third party stakeholders (eg Milan Politechnique) and in agreement with IPE whether additional disclosure platforms are necessary for non Chinese suppliers.
- **CTN Environment department** identify with credible external third parties tools needed for independent verification & auditing/ certification

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- **CTN Environment department** publish annual Detox implementation overview report (covering the annual activities)
- **CTN Environment department** elaborate and provide to Detox committed companies a tool for processing data on wastes to highlight the % recovery (material recycling and reuse) and publication of the results on the company website. **CTN Environment department** will support the wider publication. The results aggregates may be published on the CTN website.
- Study publication on the life cycle of the textile product with information on the duration and recyclability to be circulating to clients and supply chain stakeholders to raise awarness and information.

2017 - onwards (annual activities at least to 2020), to be tracked and published on CTN Detox website

- Revision of the reference Detox-standard MRSL and as necessary methodology (including adding new chemicals to the base-line sectorial chemical use inventory). Detox - standard MRSL should include an indication of the priority groups (currently 11, to be expanded depending on the joint waste water and input and product screening studies carried out)
- Support and coordinate the disclosure and uploading on the IPE platform of data on water discharges on an annual basis (every 12 months). Together with IPE (and other platforms as appropriate), revision of the template for discharges disclosure (aditonal substances and /or priority groups and detection limits in line with Detox -Standard MRSL priority groups)



- Organise joint full- MRSL ´ hazardous chemicals joint studies to identify further priority groups and publication of the results of studies for the identification of other priority hazardous chemicals beyond the 11 groups present in waste waters (or products) that would need a specific action plan and date for elimination (first studies published in June 2017)

- Supports strengthen the contractual language and agreement with suppliers to ensure that only chemical formulations free from the hazardous chemicals on the Detox MRSL are used. Provide the forms and tools to contact suppliers and reporting back on responses.
- Publication of further action plans (ahead of 2020) for the phase out of additional priority hazardous MRSL chemicals identified by joint studies on waste waters and products
- Publish results of sampling and monitoring program on hazardous chemicals in recycled textiles and progress on solutions
- Publish results of ongoing pilot projects and provide tools to support `closing and slowing the loop´ eg on durability, upcycling and remanufactured products.
- Publish annual Detox implementation overview report (covering at least the annual activities above, based on Detox committed companies public self reporting)
- Development with credible external third parties tools needed for independent verification & auditing/ certification