

**CID**CONSORZIO ITALIANO  
IMPLEMENTAZIONE  
DETOX

Gestione della sostenibilità delle imprese della filiera del sistema moda

**October 26th 2016****Press Release****Italian Detox Implementation Association (C.I.D) is born**

The Detox enterprise of Prato Textile District - started one year ago thanks to Confindustria Toscana North - crosses today its local borders by the construction of Italian Detox Implementation Association (Consorzio Italiano Implementazione Detox - CID). The purpose: encouraging a sustainable and innovative textile production model on a national and international level. This venture will be presented today at 12 p.m. in a press conference in Lazerini Library in Prato.

The main purposes of CID, to whom have already joined twenty-three companies from Prato and Berto's dry cleaner from Padova - previously Detox commitment signers - are research promotion, technical and operational support to associated companies, so that everyone will be able to respect Detox standards, and the encouragement of instruments of knowledge and technological innovation in productive processes.

«When our venture for a competitive and sustainable textile industry moved its first steps here in Prato, we couldn't imagine that 27 companies would be willing to change completely their production method» says Confindustria Toscana North president Andrea Cavicchi, «today we choose to bring this venture on a national level making an association, because we believe that a quality textile production with no risk for the environment has to be a national aim».

The Association will also take advantage of a Technical-Scientific Committee, where there's also the costless and independent presence of Greenpeace, that launched the Detox challenge to the textile industry against the use of hazardous chemicals in the supply chain in 2011 and that today finds one more partner in the Association, to reach the ambitious goal of a "toxic-free" textile industry by 2020.

During the press conference, will also be presented the results of a study, made by the testing laboratory BuzziLab and by CID, concerning chemical analysis of 228 dyestuffs, which represent the 90% of colorants used by the textile supply chains all over the world. This study summarise the level of contaminations of dyestuffs by chemical analysis of four of the eleven groups of hazardous chemical substances present Greenpeace's Detox MRSL: Aromatic amines derived from azodyes, Ethoxylated Alkylphenols (APEOS), Phthalates, Chlorophenols. The results, deeply examined today, point out that in 70% of analyzed colorants the concentration of hazardous chemicals goes beyond Detox limits; whereas only a "insignificant" percentage of them (0,8%) wouldn't be compliance with the ZDHC (Zero Discharge Hazardous Chemicals) MRSL limits

«The research we're presenting today identifies contamination's hidden sources in colorants substances and enables to choose products according to Detox standards. An excellent work that confirms the seriousness of Prato companies about the committment» is comments Giuseppe Ungherese, project manager of pollution campaign for Greenpeace Italy.

After the press conference in Textile Museum of Prato there will be the round table discussion "How the italian fashion chain is facing the sustainability challenge" featuring Andrea Crespi (Sistema Moda Italia), Renato Ambiente (Miroglio Fashion Srl) and Alberto Gallina (Benetton Group).



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## **DYESTUFFS FOR FASHION INDUSTRY: ACTUAL CHEMICAL CONTAMINATION LEVELS**

Case study made by BuzziLab (Buzzi laboratorio Analisi) and C.I.D. (Conorzio Italiano Implementazione Detox)

Case study involved chemical inventory of 8 Detox Committed dyeing mills and regarding chemical analysis of 228 dyestuffs with a coverage of 80-90% of the most widely used dyestuffs for textile industry.

Dyestuffs were chemically analysed with modern and up-to-date technical equipment (e.g. liquid chromatography - time-of-flight mass spectrometry) for searching contaminations of “concerned substances” that are toxic for environmental and human health.

In details, were analysed substances of 4 groups of “concerned substances” from the 11 priority groups of Detox Commitment: Ethoxylated Alkylphenols (APEOS), Aromatic Amines derived from azo-colorants, Phthalates and Chlorophenols.

Final results show that 30% of dyestuffs are not contaminated, while the remaining 70% have contaminations (micro or macro-contamination) for at least one group of substances.

Most frequent contamination groups are

1) Ethoxylated alkylphenols (APEOS): non-ionic surfactants used in the textile industry; in particular, two molecules (Ethoxylated Nonylphenols and Ethoxylated Octylphenols) are banned (production and import) inside the EU, because of their toxicity for the environment (feminization of sea fauna) and endocrine disrupting agent for the human body.

2) Aromatic Amines: the presence of amines could be ascribed to contaminated raw materials used in dyestuff synthesis and/or an incomplete purification process at the end of synthesis itself. Aromatic amines are claimed to be carcinogenic.

3) Chlorophenols: the presence of chlorophenols could be ascribed to their preservative properties (e.g. anti-mould/biocide) and present a very high level of criticality, because chlorophenols are very toxic for aquatic organisms, carcinogenic and with high-allergic activities for humans.

4) Phthalates: rare contaminations; phthalates are mostly used as plasticizer and are endocrine disrupting agents for the human body.

This case study is intended as a first part of a large research project that will involve extension of chemical analysis to other priority groups of the Detox Protocol and chemical analysis to textile auxiliaries used in production steps of the textile supply chain.

Click here to see the complete study:

<https://www.confindustriatoscananord.it/sostenibilita/detox>



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