

What is New at RoHS?

The Greener Instinct

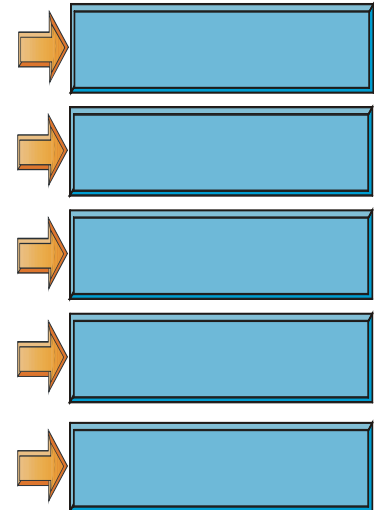
Etienne Finet





Until Now What?

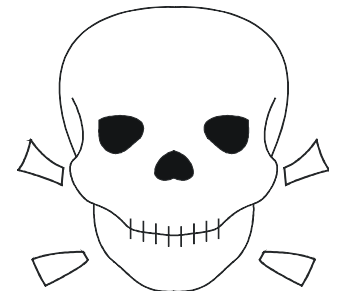
- 1 Large household appliances
- 2 Small household appliances
- 3 IT & telecommunication equipment
- 4 Consumer equipment
- 5 Lighting equipment
- 6 Electrical & electronic tools
- 7 Toys, leisure & sports equipment
- 8 Automatic Dispenser





Restricted Substances

- Cadmium (Cd): 100 ppm
- Mercury (Hg): 1000 ppm
- Lead (Pb): 1000 ppm
- Polybrominated Biphenyls (PBB): 1000 ppm
- Polybrominated Diphenyl Ethers (PBDE): 1000 ppm
- Hexavalent Chromium (CrVI): 1000 ppm





Legal Change

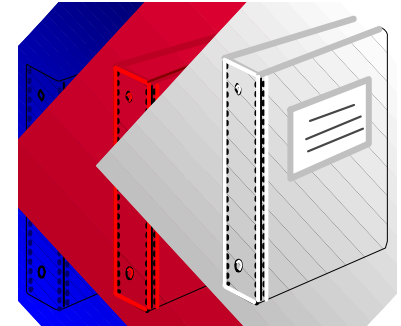
- To be compliant the PRODUCER had to guarantee that the supplied goods were RoHS compliant.
- The PRODUCER has been removed
- 4 new articles are replacing it:
 - Manufacturers (Article 7)
 - Authorised Representatives (Article 8)
 - Importers (Article 9)
 - Distributors (Article 10)





Added Categories

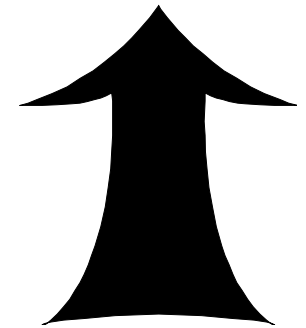
- Category 8
 - Medical Devices 1/1/2014
- Category 9
 - Monitoring and Control Instruments 1/1/2014
 - vitro diagnostic (IVD) 1/1/2016
 - industrial monitoring and control instruments 1/1/2017
 - Implanted medical devices (reviewed before 2020)





Expanded Substance List

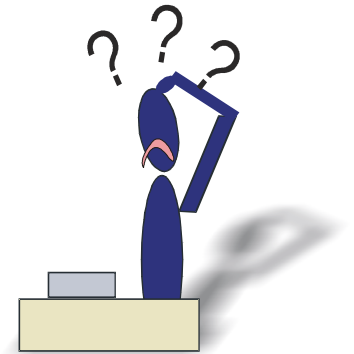
- Existing list is moved to Annex IV
- Allows easier update of the list
- Will be impacted by the REACH SVHC List
- Following elements are considered to be added:
 - bis-ethylhexyl phthalate (DEHP)
 - dibutyl phthalate (DBP)
 - benzyl butyl phthalate (BBP)
 - hexabromocyclododecane (HBCDD)





Where Used?

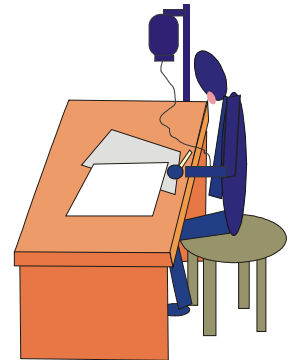
- bis-ethylhexyl phthalate (DEHP)
 - hydraulic fluids / dielectric fluid in capacitors
- dibutyl phthalate (DBP)
 - plasticizer
- benzyl butyl phthalate (BBP)
 - plasticizer for PVC
- hexabromocyclododecane (HBCDD)
 - polystyrene foam for thermal insulation





Definitions and testing

- Many definitions have been rewritten to offer a better conformity for all EU Members
- RoHS2 will require manufacturers to CE mark for RoHS
 - Will need declarations of conformity.
 - New Harmonised test standards will be introduced
 - All products will have to be tested using these standards to comply.





Liabilities

- Manufactures, importers and distributors will all be legally responsible for compliance with RoHS2
 - Labels
 - Information on the product
 - Sample testing and technical documentation
 - Contact details
 - Either Manufacturer or Importer will have to be listed

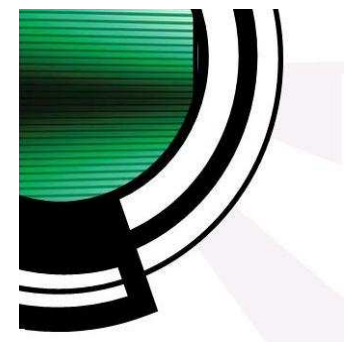




Replacement for 2002/95/EC

- The European Parliament, Council of Ministers are working on this right now
- The EC member states will have 18 months to replace/revise the new proposed 2002/95/EC directive
- It is to be expected in force by 2011 or 2012





Thanks!

The Greener Instinct

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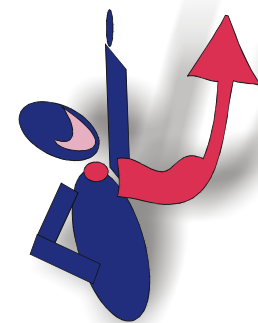
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Material based on document 768/2008/EC 7/9/2008