

# The main question MedTech industry must ask:

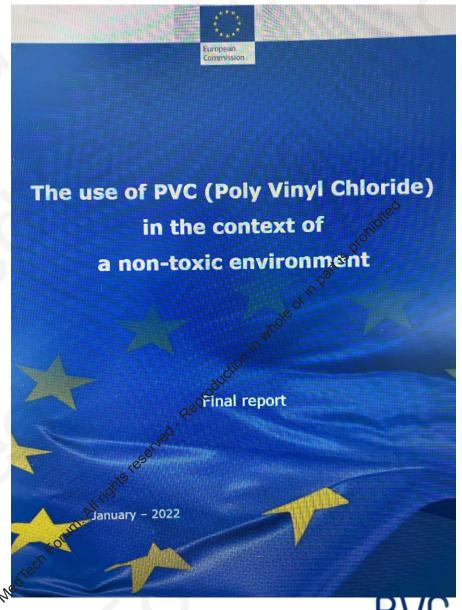
Can we maintain the advantages of PV Grand we sustainable at the same time, or do we have to shift to or develop alternatives?



## PVC in a non-toxic Environment

Earlier this year, the European Commission published a 450-page long study on PVC

The report concluded that there are technically available alternatives to most PVC medical applications



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### PVC in a non-toxic Environment

However, a substitution is not without technical drawbacks and healthcare costs will increase

In addition, the report concluded that it is not certain that alternatives would be better from an environmental and health perspective

According to the report, there two main concerns linked to the use of PVC in healthcare: the presence of hazardous plasticizers and incineration





### Concern I: The use of hazardous plasticisers

The chemical industry has succeeded in developing safe alternative plasticizers for the med tech industry

Four of these new plasticizers are now listed in the European Pharmacopeia and the Medical Devices Regulation (MDR) will speed up substitution

Herewith, the biggest concern related to the use of PVC in medical devices has disappeared





### **Concern II: Incineration**

Incineration of PVC medical waste has been a concern for many years

In the past, dioxins and hydrochloride acid were released into the environment

The installation of smoke purification systems in incinerators solved this problem However, reutralization residues are formed and must be disposed of as hazardous waste

Technological breakthroughs have now shown that hazardous residues can be turned into useful products





# Another question the MedTech endustry must ask: What can we do to increase the recycling rate of medical deviges?



### **Design for Recycling**

Avoid the presence of substances of concern in REACH

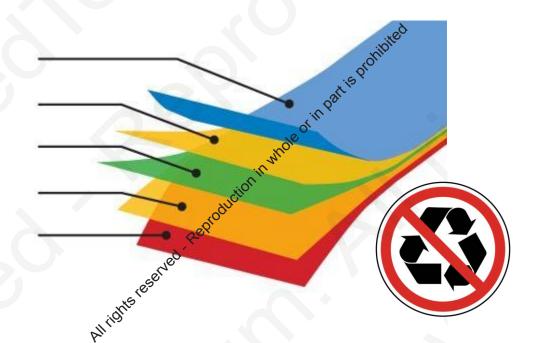
For PVC, MDR and REACH make sure that in future, justification and authorization are needed to use DEHP in medical devices





Monomaterial designs: PV@ is ideal for 'esigning devices including soft and 's 's. If non-PVC parts are 'hould be estate

Monolayer designs: Multilayers are not needed with PVC and therefore PVC is ideal for recycling.

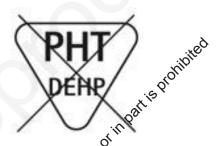




# Use complete labelling **Design for Recycling**

Indicate polymer type on devices (QR codes, color codes..)











## Support Existing Recycling Schemes

Recycling is not for free Reproduction in mode of it.

Costs should be fairly shared between all stakeholders in the medical technology value chain.





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