



EuPC/EuMBC Use Map Package

Progress Report

Patrick de Kort – 3 May 2017

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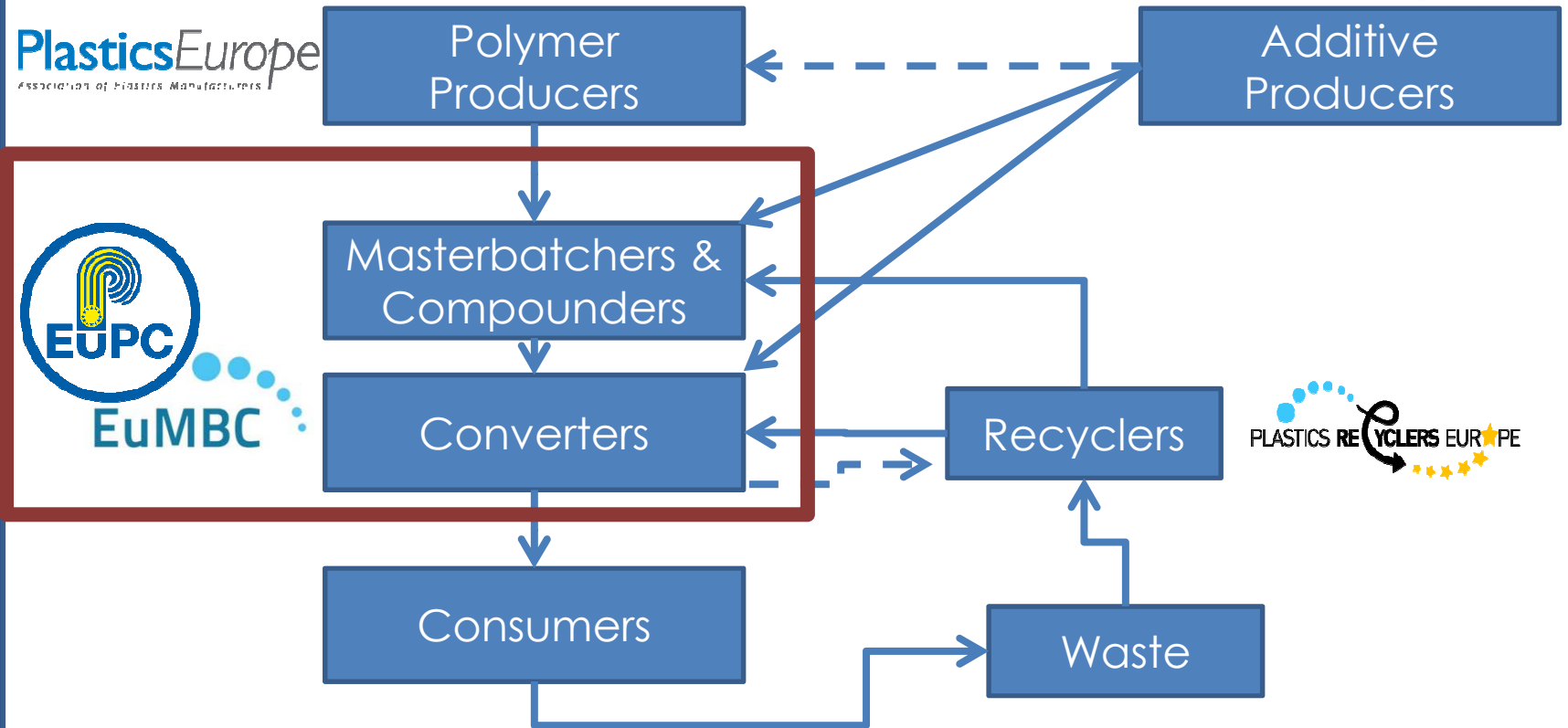


- Who are we
- Historical Perspective
- Development of Use Map Package
 - Use Map
 - SpERC
 - Worker Exposure Description
- Validation Steps
- Discussion Topics

Who we are



PlasticsEurope
ASSOCIATION OF PLASTICS MANUFACTURERS



Historical Perspective



- Plastics Industry has since 2009 worked together in the Plastics Exposure Scenario Team (PEST), an initiative that encompassed the entire value chain to facilitate REACH implementation
 - Developed Generic Exposure Scenarios
 - Developed the Plastics Exposure Scenario Tool (PESTOOL)

Use Map Package



- A “Use Map Package” consists of:
 - Use Map
 - Specific Environmental Release Categories (SpERC)
 - Specific Worker Exposure Description (SWED)
- Templates (Excel/Chesar) were created for all 3 Components in the context of the Exchange Network for Exposure Sciences
- EuPC tried to use these templates and hereby reports the findings

Use Map



- PEST Generic Exposure Scenarios used by Masterbatchers/Compounders and Converts were relatively easily translated into a Use Map

Use Map: Masterbatchers and Compounders



Life Cycle Stage	Use Name	Contributing Scenario	Use Descriptor
Formulation	Production of Masterbatches and/or Compounds	Production of Masterbatches and/or Compounds	ERC 3
		Handling of Small Containers	PROC 9
		Handling Large Containers	PROC 8b
		Continuous Compounding Process	PROC 4
		Batch Compounding Process	PROC 5
		Extrusion, Pelletisation, and/or Granulation	PROC 14
		Scrap Recycling	PROC 24

Use Map: Converters



Life Cycle Stage	Use Name	Contributing Scenario	Use Descriptor
Industrial Use	Production of Plastic Articles	Production of Plastic Articles	ERC 5
		Handling of Small Containers	PROC 9
		Handling Large Containers	PROC 8b
		Use in a Closed and/or Semi-Open Converting Process (e.g. Extrusion, Injection)	PROC 14
		Use in an Open Converting Process (e.g. Calendering)	PROC 6
		Use in Roll and/or Spread Coating	PROC 10
		Use in a Foaming Production	PROC 12
		Use in Dip Coating	PROC 13
		Scrap Recycling	PROC 24

SpERC



- For Plastic Additives an OECD Emission Scenario Document exists, which specifies the release fraction per additive type. This information was combined to produce a SpERC. Process was somewhat labour intensive but not overly complex.
- Other parameters still need to be included, but should be in PEST archives

SWED



- The current SWED template forces you to fix per contributing scenario in the Use Map all risk management measures except:
 - Concentration
 - Eye Protection
- Other sectors have adapted to this by setting many different contributing scenarios with different risk management measure levels
 - Which makes sense for big formulators supplying many SME professional/consumer mixtures as the big formulators can the convert the complex exposure scenario to a simple SUMI → less complexity for group of users with limited REACH capacity

SWED



- Plastics Industry does not supply mixtures to professionals/consumers
- As operational conditions are highly heterogeneous → use of the SWED template would explode the size of the Use Map → longer exposure scenarios → more complexity not less
- EuPC/EuMBC have decided to develop guidance for registrants on how we would like them to do their worker safety assessment

Guidance for Worker Safety Assessment



- Contains information on:
 - Maximum loading levels per additive type
 - Processing conditions
 - Desired order of risk management measures
- Total length of guidance = 5 pages

Validation



- A few registrants have reviewed the Chesar input files (Use Map&SpERC) and the guidance document and were appreciative of the simplification.
 - Simplicity → less work
 - Simplicity → better assignment of tonnages
- EuPC/EuMBC Experts are reviewing the guidance document and initial responses are positive
- Document is to be send to different stakeholders (e.g. PlasticsEurope, Cefic Sector Groups) for comments

Discussion Point



- In our experience the SWED template is not ideal for our sector. Although changing it to not force all the fields to be fixed would be detrimental for other sectors that wish to have SUMIs.
 - Do other sectors share this sentiment?



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