

# Meeting with FCM European Professional Associations

6 September 2019 Recycling + Glymo + Phthalates

This presentation does not reflect the official position of the Commission; it is meant to facilitate discussion and understanding of existing and potential new legislation, but should not in anyway be seen as giving a final interpretation of existing legislation or a conceal of a new legislation.

Topics 6 September

Information on ongoing activities

14th Amendment
Recycling
Glymo
Phthalates
AoB

no firm Commission commitments

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# **RECYCLING**

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# **State of Play**

### Regulation (EC) 282/2008 requires

- Commission to take decisions on individual authorisations
- · thereafter only recycled plastic with authorised process may be on market
- we could not authorise appropriately;
   clarification of transition and obligations in Regulation required
- → Amendment of R 282/2008 under preparation

#### Next steps (during next few weeks):

- consultation MS, EFSA, and Industry
- consultation Commission services



# **A:** Transition after adoption of authorisation Decisions

without amendment some plastic would become illegal overnight

#### Three distinct cases

- 1. PET processes that did never apply
- **2. PET processes that were modified** (not theoretical as shown by ongoing applications concerning such modifications)
- **3. Many other plastic materials** (affects many polyolefins such as HDPE, and chemical recycling)

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## **B: Clarification of Obligations needed**

General obligations for the operation of recycling processes

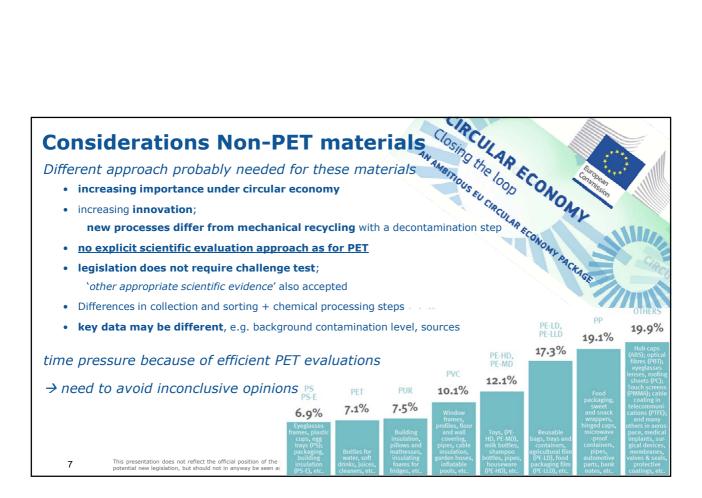
The different role between authorisation holders and recyclers

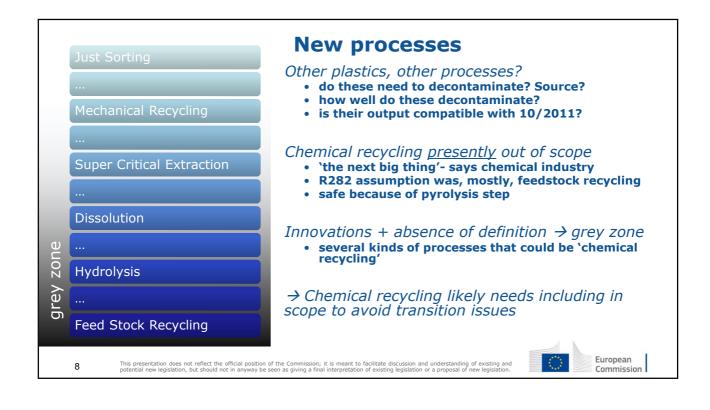
Administrative practices for authorisation holders

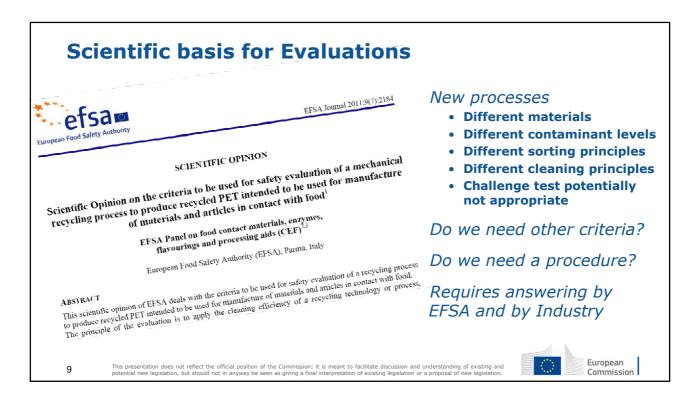
Putting in place the Compliance Monitoring Summary Sheet

Enforcement and compliance

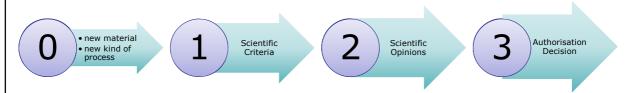








# Potential two step scientific approach for Non-PET



Consortium(?) would apply to establish scientific evaluation criteria for a new type of recycling process

1. EFSA establishes scientific evaluation criteria (as done for PET in 2011)

Individual applicants apply for authorisation based on established criteria

2. EFSA publishes opinion on the safety of the process

Procedure to ensure legal certainty

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• but there could be other ways than this



## **Consultations**

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### Three main elements

(on which we will consult in three separate texts)

- A: Transition approach
  - mechanical PET now, the rest later (including closed loop and HDPE)
- B: Clarification of obligations
  - Obligations for Authorisation Holders + Recyclers
  - Obligations for competent authorities
  - meant to Simplify the Authorisation Decisions

#### C: new rules for all other plastics (at a later stage)

- All recycled FCM plastics to be in scope
- Some can be used without authorisation
- Procedure for EFSA to establish evaluation approach (2-step)
- only later (requires new Regulation)

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### **Over-all foreseen Timeline**

Step 1: First two sets of amendments (transition + obligation)

- external and internal consultations
- aim is adoption in Q2 2020

Step 2: Adoption of individual Authorisation Decisions

- preparation + consultation during scrutiny period
- aim: adoption in Q3 2020

Step 3: Notification and Publication of register

• publication of register is T=0 for provisions on transition

Step 4: Establishment of CMSS

• which will involve MS competent Authority + Business operators

Step 5: Other plastics

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### **A: Transition**



## **Possible PET Transition procedure**

- 1. Time=0: Union Register of authorised processes
- 2. unauthorised PET may remain for 6 months
- 3. thereafter, only PET manufactured with an authorised process may remain **AND** other PET, but conditional to an on-going EFSA evaluation
- 4. EFSA evaluates (6+6 months + stop-the-clock)
- 5. a Decision accepting or rejecting Authorisation is presented for vote
- 6. only Authorised PET on the market after Time= 6+12+~6+6 months

#### Note:

- this assumes mechanical PET recycling
- → after about 2,5 years following adoption of initial Decisions no more unauthorised PET

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#### **Foreseen Transition PET Processes**

Entry into force: Article 16 is amended

- Commission to establish Union Register just after notification of Decisions to applicants
- · From that moment only plastic with authorised and suitable process
- Article 3 + 3a (only plastic with an authorised suitable process), Article9, 10 (enforcement), and 12 (DoC) apply from publication of Union Register

Authorisation: Article 13 is replaced in its entirety by the following

- Commission to submit all opinions to standing committee
- · after entry into force of the amendment
- · after adoption all applicants will be notified on the same day

Trade: Article 14 is replaced in its entirety by the following

- Trade in PET continued for six months from publication of Register
- Application before the end? Then until Decision on authorisation
- All other plastics allowed until new proposal covering those plastics (3<sup>rd</sup> part of the discussion)



# **B: Obligations**

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# new/changed Obligations under R 282/2008

Article 3a: General conditions for the operation of a recycling process

- Requirement on quality assurance on the process and input material
- Conditions on technical suitability of the process
- Administrative conditions

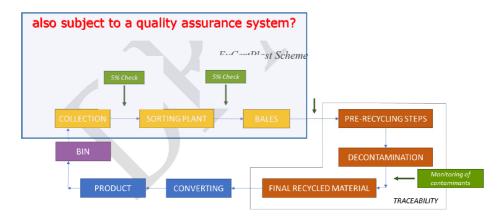
Article 4, conditions for authorisation is simplified, will refer to 3a (the Article is simplified, not the conditions)

Article 6: clarification of authorisation holder and recycler

• also under definitions

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# Or, graphically the question is



### scheme from Plastic Recyclers Europe

modified for discussion

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## **Quality of input material**

Clear constraints on input material

- 5% non-food consumer PET
- 10/2011, non-industrial
- not overly polluted

#### These constraints must be

- · met in practice
- enforceable

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No realistic analytical approach

- → control in supply chain
  - i.e. collection system

Possible solution to the right:

- (b) the plastic input to the recycling process shall meet the following quality criteria:
  - it shall originate only from plastic materials and articles that have been manufactured in accordance with Regulation (EU) No 10/2011; and,
  - (ii) it shall originate only from plastic used by consumers or food business operators; and
  - (iii) it shall be collected with a waste collection system that is designed and organised to minimise incidental contamination with plastics used for purposes other than for contact with food, and with chemicals and plastics from other waste streams.

Plastic materials from a non-food and/or industrial origin and incidental contaminants shall only be present in minor and unavoidable amounts. The maximum level of incidental contamination and the composition of the input materials shall be in accordance with an Authorisation Decision, if applicable.

(c) For the purpose of point (b) the collection of the input materials shall be controlled by means of a certified quality assurance system throughout the whole collection chain. Article 3, 4, 5, 6, and 7 of Regulation (EC) No 2023/2006 shall apply mutatis mutandis to all stages of the collection chain of input materials;

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## new/changed Obligations under R 282/2008

Article 7: general obligations arising from the authorisation

- Clarification of responsibilities along the supply chain
- Administrative practices for authorisation holders

Under study, suspension and revocation mechanisms in Article 8

- how would official controls affect on-line registries?
- potentially provisions for suspension and revocation due to official controls

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## new/changed Obligations under R 282/2008

Article 9a and ANNEX III: compliance monitoring summary sheet

- CMSS must be present two weeks after notification
- Provide the sheet within on month to competent authority
- the CA shall verify 'without delay', including an inspection
- · authorisation suspended after one year if no agreement
- · Union register shall indicate it is validated

#### Article 10 Official controls

CMSS starting point for controls/audits

#### Article 10a: Non-compliance

principle:
 if the operation of the process is not compliant,
 the material cannot be placed on the market



# new/changed Obligations under R 282/2008

Article 11: Explicit labelling requirements added via Annex IV

• requires and sets requirements to label conditions in the field of application

Article 12: DoC

- no real change to the Article (updated reference now to Regulation 10/2011)
- Annex 1.A updated to better meet different cases in supply chain
- Annex 1.B updated to be more comprehensive
- considering a template based approach, also for Regulation 10/2011

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## C: Other Plastics



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# potential approach new/changed Obligations under R 282/2008

Article 1: Scope

• Paragraph 2 deleted, all plastic recycling processes (for FCM) are in the scope

Article 3: Not all processes would require authorisation

- process offcuts
- closed-loop (!)

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- plastics behind a functional barrier
- plastics made from monomers produced by feedstock recycling (+ definition)
- · processes for which the Authority indicated no specific evaluation is necessary
- → Subject to material specific rules in annex

All other processes than still require authorisation

→ including most chemical recycling processes

# potential approach new/changed Obligations under R 282/2008

Article 5: application for authorisation

- technical dossier on the basis of the scientific criteria the Authority applies
- for mechanically recycled PET this is 2011 opinion
- If they do not exist they must be established in accordance with Article 5a

Article 5a: Establishment of evaluation criteria for specific recycled plastic materials

- · Would set out detailed procedure for an applicant and EFSA to follow
- step 1: consortium/association applies to establish criteria
- · members of the consortium may place plastic on the market in limited amounts
- Authority to get lumped sum of three years
- step 2: once criteria are published applicants shall immediately apply
- Unless the authority states that individual evaluation is not needed, in this case the commission will lay down material specific rules.

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# potential approach new/changed Obligations under R 282/2008

Lastly, amendment to Article 8 of Regulation (EU) No 10/2011:

"Substances used in the manufacture of plastic layers in plastic materials and articles shall be of a technical quality and a purity suitable for the intended and foreseeable use of the materials or articles. The composition shall be known to the manufacturer of the substance and made available to the competent authorities on request. Substances originating from plastic recycling shall be manufactured in accordance with Regulation (EC) No 282/2008"

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## summary/approach

Amendments A, Transition

PET only

· Together in amending text; aim Q2 2020

Amendments B, Obligations

Individual Decisions; aim Q3 2020

Amendments C, other plastics later → more discussion needed, likely 2021

Texts ready for consultation later this month

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new measure on

**GLYMO** 



## [3-(2,3-epoxypropoxy)propyl]trimethoxy silane

#### FCM No 1068, "Glymo"

 Authorised for treatment of glass fibres that are added to reinforce low diffusivity plastics, residual content limit in the glass fibre, no SML

#### Glymo is potentially genotoxic

· known for significant time, but only above authorisation triggered action

#### Safety

- should not migrate
- 10 ppb 'limit' is not sufficient
- 0.15 ppb for Glymo + reaction products more appropriate, too low for SML

#### Glymo is used for other purposes as well

• 10 ppb ND approach may be used, but insufficient

Situation is not acceptable → measure

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## Glymo measure

Under preparation, text being drafted at technical level

• quick progress expected, but main discussions still taking place

REGULATION (EU) .../...

establishing a list of authorised substances and special conditions of use for [3-(2,3epoxypropoxy) propyl]trimethoxy silane ("Glymo") with FCM No 1068 and with CAS No 2530-83-8 and similar epoxy silanes applicable to the manufacture of food contact Coatings, adhesives, printing inks, silicones, paper and board, rubber, combinations s, aunesives, printing tuks, surcones, paper and obard, rubber, comb thereof and combinations with plastics and/or inorganic substances

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## **Approach**

Scope concerns the use of epoxy silanes, in,

- silicones, paper and board, rubber, coatings, adhesives and printing inks
- and in combination/composite with most other materials
- not applicable to additives in plastic materials

Epoxy silane given a 'wide' definition by functional groups

• includes molecules with an epoxy and a silane functional group

Union list with essentially two possibilities

- genotoxicity is excluded and analytical approach available → SML
- no further information on toxicity
   → limited to specific use that is shown to be safe (as for Glymo under 10/2011)

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### **Transition**

Likely short transition period, several months

Potentially also a mechanism to remain on the market

- Provide a clear and well justified argument that the use is safe
- · Apply to EFSA on that basis
- Remain on the market until Commission Decision
- Public register



## Some examples of the drafting approach

Subject to change, just to give an idea

#### Table 1.a

• If a migration limit can be established, similar to Regulation 10/2011

#### Table 1.b

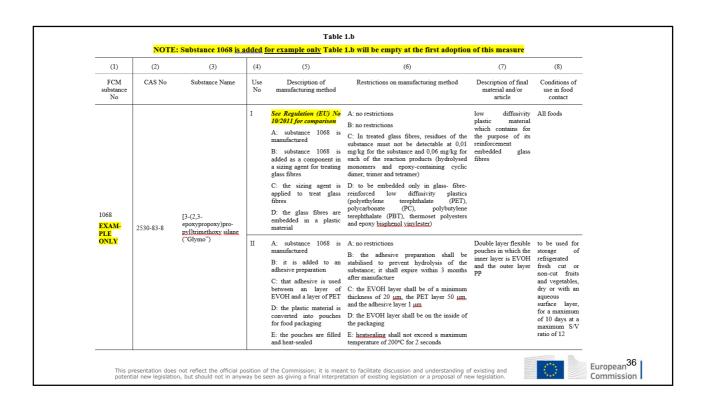
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• Listing on the basis of a specific use (next slide)

omer notes on the vermeation of comphance as set out in Table 2.0 of this Aimen.

Table 1.a									
(1)	(2)	(3)	(4)	(5)	(6)	(7)			
FCM substance No	CAS No	Substance Name	SML	SML(T)	Restrictions and specifications	Verification of Compliance			
XX1									
XX2									

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# **Declaration of Compliance**

#### New approach

- supporting documentation must exist
- template based approach
- possibly reference to MS register (Art. 10(2) of R 2017/625)
- · details being studied
- first page on right

DECLA	RATIO	N of COMPLIAN	CE with F	REGULATI	ON (EU) 2	2020/XXX		
in section Regulati document contact p is used subject instruction	n 1.1, on (EU ntation : ooint m in full in acco	that the product is ) 2020/XXX; I her available to compe entioned in section compliance with a ordance with section labelling on the pro-	dentified reby declar etent auth i 1.1.4, an all provis on 3 of roduct.	in section are on the b orities of the d the informations of Re this declar	1.2 contain passis of my ne Member mation pro gulation (I ation, to v	is an epoxy analysis to States and vided in sect EU) 2020/X which purpo	silan which can b ion 2 XX, I se I	RER] as identified g and is subject to it I keep supporting e requested via the that this substance provided it is used provided adequate
Regulati	on (EU		declaratio	n shall appl	y in full ur	til the date s	et in	e compliance with section 5, or until a is declaration.
Section	l Identi	fication						
1.1 manufacturer			1.2 product			1.3 competent authority		
1.1.1 name			1.2.1 main name			1.3.1 name		
1.1.2 address			1.2.2 trade- names			1.3.2 address		
1.1.3 country			1.2.3 epoxy silane			1.3.3 country region		
1.1.4 contact			1.2.4 other info			1.3.4 reg. number		
Section	2: Com	pliance						
2.1 basis	for aut	horisation (tick on	e box)					
2.1.1		Table 1.a of Annex I			Applicable SML			
2.1.2	_	Table 1.b of Annex I			Use No + step			
2.1.3		Transitional provisions			EFSA Q number			
2.2 migr	ation te	sting results (apply	only in o	case 2.1.1 or	r 2.1.3 is m	arked)		
2.2.1 test results								
2.2.2								

ANNEX 2
Template for Declaration of Compliance

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# **Further steps**

Text being finalised, thereafter consultation with Member States

vote as soon as procedure allows

For time being everything being tentative

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Update on

# **PHTHALATES**

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## **Timeline**

Mandate from Commission to EFSA July 2017

- New scientific information available since the 2005 EFSA opinions and evaluated recently by ECHA (reprotoxic effects)
- EFSA asked to evaluate whether authorisations for DEHP, DBP and DIBP are still in accordance with FCM Regulation

Update to mandate May 2018

• To allow for consideration of potential relevance of exposure to other phthalates – DINP and DIDP also authorised in plastic FCM

EFSA public consultation February - April 2019

- Dedicated consultation webpage
- Webinar

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## **Next steps**

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EFSA currently concluding on the updated risk assessment work

- EFSA created a dedicated Working Group to undertake the work
- EFSA has carried out the work in close collaboration with the European Chemicals Agency (ECHA)
- Two main outputs: (1) technical report on the consultation and (2) updated scientific opinion

Commission will base its risk management of phthalates in FCMs on EFSA opinion

- Only once the opinion is available and has been published
- The opinion is scheduled to be adopted at the September CEP Plenary session

Commission will shortly invite stakeholders to take part in a questionnaire as regards the use of phthalates in FCMs

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