



## Content

**Day 1: Tuesday, 20th January 2015**

1.	<b>Introduction</b> Summary of market and technical analysis
2.	Detergent product groups scope and Coffee break
3.	<b>Definitions / Measurement threshold / Reference dosage/ Dosage requirements</b> Lunch break
4.	Toxicity to aquatic organisms criteria Coffee break
5.	Biodegradability criteria

## Definitions





### Definitions as appearing in Article 2



#### Article 2

1. For the purpose of this Decision, the following definitions shall apply:
  - (1) 'heavy-duty detergents' means detergents used for ordinary washing of white textiles at any temperature;
  - (2) 'colour-safe detergents' means detergents used for ordinary washing of coloured textiles at any temperature;
  - (3) 'low-duty detergents' means detergents intended for delicate fabrics;
  - (4) 'substance' means a chemical element and their compounds in the natural state or obtained by any production process, including any additive necessary to preserve the stability of the products and any impurity deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition.


Definitions



## Definitions

**"ingoing substances and mixtures"** means

- biocides, fragrances, colouring agents, and mixtures thereof, regardless of concentration in the final formulation,
- substances and mixtures intentionally added, by-products and impurities from raw materials, the concentration of which equals or exceeds 0,010% by weight of final formulation,

**"undiluted product"** means a product that is diluted in water prior to use; (applicable for APC)

**"ready-to-use (RTU) product"** means a product that should not be diluted in water before use; (applicable for APC)

**"concentrated product"** means a product that has a **"concentrated"** claim made by the manufacturer in the sense that less product is to be used for the same function and without dilution; (applicable for LD/DD/HDD)

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Definitions




## Definitions

**"primary packaging"** means

- for single doses in a wrapper that is intended to be removed before washing, the individual dose wrapping in direct contact with the content and the packaging conceived so as to constitute the smallest sales unit of distribution to the final user or consumer at the point of purchase, including label where applicable; (applicable to DD),
- for all other types of products, packaging conceived so as to constitute the smallest sales unit of distribution to the final user or consumer at the point of purchase in direct contact with the content, including label where applicable; (applicable to LD /DD)

**"primary packaging"** means packaging conceived so as to constitute the smallest sales unit of distribution to the final user or consumer at the point of purchase in direct contact with the content, including label where applicable; (applicable to IILD/IIDD/HDD/APC)

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**Measurement thresholds**

## Measurement thresholds

Summary of the current approaches

	LD/DD	IILD/IIDD	APC/HDD	Rinse-off cosmetics
<b>Additives (e.g. biocides, fragrances, colouring agents, stabilisers)</b>	All criteria: "regardless of concentration" Except: 0,010% for Section (b) of Criterion on the content of hazardous substances and mixtures.	All criteria: "regardless of concentration"	All criteria: 0,010% Except: "irrespective of weight" for Criterion on the toxicity to aquatic organisms.	All criteria: "regardless of concentration" Except: 0,010% for Criteria 3(b) and 3(c) on hazardous substances and mixtures.
<b>Impurities</b>	All criteria: 0,010%	All criteria: 0,010%	All criteria: 0,010%	All criteria: 0,010%
<b>Rest</b>	All criteria: 0,010%	All criteria: 0,010%	All criteria: 0,010% Except: "irrespective of weight" for Criterion on the toxicity to aquatic organisms.	All criteria: 0,010%

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**Measurement thresholds**

## Measurement thresholds

**Article 2**


"incoming substances and mixtures" means

- biocides, fragrances, colouring agents, and mixtures thereof, regardless of concentration in the final formulation,
- other substances and mixtures intentionally added, by-products and impurities from raw materials, the concentration of which equals or exceeds 0,010% by weight of final formulation;

**Annex – 1 (b) - Measurement thresholds**

Compliance with the ecological criteria is required for all incoming substances and mixtures, with the exception of compliance with criterion 3(b) and 3(c) for preservatives, colorants and fragrances which is requested when their concentration equals or exceeds 0,010% by weight in the final formulation.

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**Measurement thresholds**

## Measurement thresholds

**Article 2**


"ingoing substances and mixtures" means

- **biocides, fragrances, colouring agents, and mixtures thereof, regardless of concentration** in the final formulation,
- other substances and mixtures intentionally added, by-products and impurities from raw materials, the concentration of which equals or exceeds 0,010% by weight of final formulation;

**Annex – 1 (b) - Measurement thresholds**

Compliance with the ecological criteria is required for all ingoing substances and mixtures, with the **exception of compliance with criterion 3(b) and 3(c) for preservatives, colorants and fragrances** which is requested when their concentration equals or exceeds **0,010% by weight** in the final formulation.

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**Measurement thresholds**

## Definitions and measurement thresholds

Consultation questions

- Are any of the proposed definitions superfluous? Are any other general definitions needed?
- Are any other changes needed to the assessment and verification requirements and measurement thresholds?

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**Reference  
dosage**

## Functional unit and reference dosage

Summary of the current approaches

	LD	IILD	DD	IIDD	APC	HDD
<b>Functional unit</b>	g/kg wash (grams per kilo wash)	g/kg laundry (grams per kilo laundry)	Quantity of product required to wash 12 place settings with a standard soil	g/l washing solution (grams per litre washing solution)	(nothing explicit)	(nothing explicit)
<b>Reference dosage</b>	Quantity recommended by the manufacturer necessary for: - 4.5kg load (heavy duty detergent) - 2.5kg load (low duty detergent)	(nothing explicit)	Quantity necessary for normally soiled dishes and 12 place settings	(nothing explicit)	Quantity necessary for 1l of washing water (undiluted products) or 100g (ready-to-use products).	Quantity necessary for 1l of washing water for normally soiled dishes.

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European  
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**Reference  
dosage**


## Functional unit and reference dosage

Summary of the current approaches

	LD	IILD	DD	IIDD	APC	HDD
<b>Functional unit</b>	g/kg wash (grams per kilo wash)	g/kg laundry (grams per kilo laundry)	Quantity of product required to wash 12 place settings with a standard soil	g/l washing solution (grams per litre washing solution)	(nothing explicit)	(nothing explicit)
<b>Reference dosage</b>	Quantity recommended by the manufacturer necessary for: - 4.5kg load (heavy duty detergent) - 2.5kg load (low duty detergent)	(nothing explicit)	Quantity necessary for normally soiled dishes and 12 place settings	(nothing explicit)	Quantity necessary for 1l of washing water (undiluted products) or 100g (ready-to-use products).	Quantity necessary for 1l of washing water for normally soiled dishes.

"4,5kg of normally soiled clothes"

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**Reference dosage**

## Functional unit and reference dosage

Proposed changes

LD	IILD	DD	IIDD	APC	HDD
Quantity recommended by the manufacturer to wash 1kg of dry laundry (based on the dosage recommender for: - 4,5kg load (heavy duty detergent) - 2,5kg load (low duty detergent)), for stain removers - 2,7ml/kg of dry laundry (based on 2 ml per application and 6 applications per wash-load of 4,5 kg)	Quantity recommended by the manufacturer to wash 1kg of dry laundry	Quantity recommended by the manufacturer to wash normally soiled dishes and 12 place settings, 3ml for rinse aids	Quantity recommended by the manufacturer for 1l of washing solution	Quantity recommended by the manufacturer for 1l of washing water (undiluted products) or 100g (ready-to-use products)	Quantity recommended by the manufacturer for 1l of washing water for normally soiled dishes.

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**Reference dosage**

## Functional unit and reference dosage

Proposed changes

LD	IILD	DD	IIDD	APC	HDD
Quantity recommended by the manufacturer to wash 1kg of dry laundry (based on the dosage recommender for: - 4,5kg load (heavy duty detergent) - 2,5kg load (low duty detergent)), for stain removers - <b>2,7ml/kg of dry laundry (based on 2 ml per application and 6 applications per wash-load of 4,5 kg)</b>	Quantity recommended by the manufacturer to wash 1kg of dry laundry	Quantity recommended by the manufacturer to wash normally soiled dishes and 12 place settings, <b>3ml for rinse aids</b>	Quantity recommended by the manufacturer for 1l of washing solution	Quantity recommended by the manufacturer for 1l of washing water (undiluted products) or <b>100g (ready-to-use products)</b>	Quantity recommended by the manufacturer for 1l of washing water for normally soiled dishes.

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## Functional unit and reference dosage

### Consultation questions


- Do you agree with the proposed reference dosages?
- Should the reference dosage for I&I products take water hardness into consideration?



## Dosage requirements

### Summary of current approaches

Criterion	LD	IILD	DD	IIDD	APC	HDD
1	<b>Dosage requirement</b>	<b>Dosage information</b>	<b>Total chemicals</b>	CDV	CDV	CDV
2	CDV	CDV	Restricted substances	Biodegradability	Biodegradability	Biodegradability
3	Biodegradability	Biodegradability	CDV	Restricted substances	Restricted substances	Restricted substances
4	Restricted substances	Restricted substances	Biodegradability	Packaging	Fragrances	Fragrances
5	Packaging	Packaging	Washing performance	Washing performance	VOC	Corrosive properties
6	Washing performance	Washing performance	Packaging	Automatic dosing system	Phosphorus	Packaging
7	Points	Automatic dosing system	Consumer information	Consumer information/information on EU Ecolabel	Packaging	Washing performance
8	Consumer information	Consumer information/information on EU Ecolabel	Information on EU Ecolabel		Washing performance	Consumer information
9	Information on EU Ecolabel				Consumer information	Information on EU Ecolabel
10					Information on EU Ecolabel	
11					Professional training	



Dosage requirements


### Dosage requirements

Proposed changes

Criterion	LD	IILD	DD	IIDD	APC	HDD
1	<b>Dosage requirement</b>	<b>Dosage information</b>	<b>Total chemicals</b>	CDV	CDV	CDV
2	CDV	CDV	Restricted substances	Biodegradability	Biodegradability	Biodegradability
3	Biodegradability	Biodegradability	CDV	Restricted substances	Restricted substances	Restricted substances
4	Restricted substances	Restricted substances	Biodegradability	Packaging	Fragrances	Fragrances
5	Packaging	Packaging	Washing performance	Washing performance	VOC	Corrosive properties
6	Washing performance	Washing performance	Packaging	Automatic dosing system	Phosphorus	Packaging
7	Points	Automatic dosing system	Consumer information	Consumer information/information on EU Ecolabel	Packaging	Washing performance
8	Consumer information	Consumer information/information on EU Ecolabel	Information on EU Ecolabel		Washing performance	Consumer information
9	Information on EU Ecolabel				Consumer information	Information on EU Ecolabel
10					Information on EU Ecolabel	
11					Professional training	

Many different applications  
=  
Difficult to set realistic thresholds

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Dosage requirements

### Dosage requirements

Proposed changes


Criterion	LD	IILD	DD	IIDD	APC	HDD
1	<b>Dosage requirement</b>	<b>Dosage information</b>	<b>Total chemicals</b>	CDV	CDV	CDV
2	CDV	CDV	Restricted substances	Biodegradability	Biodegradability	Biodegradability
3	Biodegradability	Biodegradability	CDV	Restricted substances	Restricted substances	Restricted substances
4	Restricted substances	Restricted substances	Biodegradability	Packaging	Fragrances	Fragrances
5	Packaging	Packaging	Washing performance	Washing performance	VOC	Corrosive properties
6	Washing performance	Washing performance	Packaging	Automatic dosing system	Phosphorus	Packaging
7	Points	Automatic dosing system	Consumer information	Consumer information/information on EU Ecolabel	Packaging	Washing performance
8	Consumer information	Consumer information/information on EU Ecolabel	Information on EU Ecolabel		Washing performance	Consumer information
9	Information on EU Ecolabel				Consumer information	Information on EU Ecolabel
10					Information on EU Ecolabel	
11					Professional training	

Limits lowered

Move from "total chemicals" to "dosage requirement" in order to promote concentrated products

No proposal made but possibility to add an upper limit in order to promote concentrated products

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**Dosage requirements**

## Dosage requirements

Proposed changes

### Dishwasher detergents

Product type	Dosage
Single function	18 g/wash
Multi function	20 g/wash

**Move from "total chemicals" to "dosage requirement":** the amount of chemicals is already addressed in other criteria, thus this criterion should address the issue of compacting and concentrating products.

**How to indicate the limit:** liquid dishwasher detergents represent a very small share of the market

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**Dosage requirements**

## Dosage requirements

Proposed changes

### Laundry detergents

Product type	Dosage (powder/tablets)	Dosage (liquid/gel)
Heavy-duty	17 → 16 g/kg laundry	17 → 14 ml/kg laundry
Low-duty	17 → 10 g/kg laundry	17 → 10 ml/kg laundry
Stain remover	2,7 g/kg laundry	2,7 ml/kg laundry

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## Dosage requirements

Consultation questions

- Is a dosage requirement necessary for hand dishwashing detergents?
- Do you agree with the proposed LD and DD limits?
- Should there be a separate category for "concentrated" LD and DD or should those be implicitly encouraged through stricter dosage requirements?