



Skin sensitization for treated articles – Detergent industry's perspective

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Preservation of Paints & Detergents: Workshop on Innovation & Industry challenges
15 May – Radisson Blu Royal Hotel

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CLP on Hazards for Sensitisers

2 Levels of **Hazard** for chemical mixtures:

- H317 is a classification limit defined to protect consumers from the risk of potential induction of (skin) allergies by the **mixture as sold**
- EUH208 for levels up to 10x lower than the H317 level as a warning limit to protect already sensitised consumers from potential elicitation of allergic reactions by **the mixture as sold**



CLP on Hazards for Sensitisers

2 Levels of **Hazard communication** for chemical mixtures:

- H317:

*‘May cause an allergic skin reaction’
AND ‘(substance name)’*

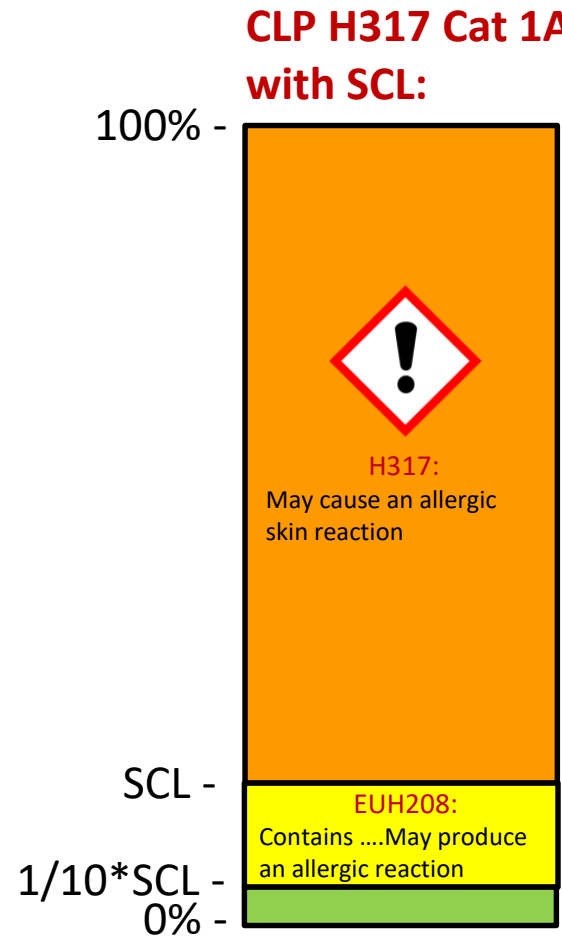
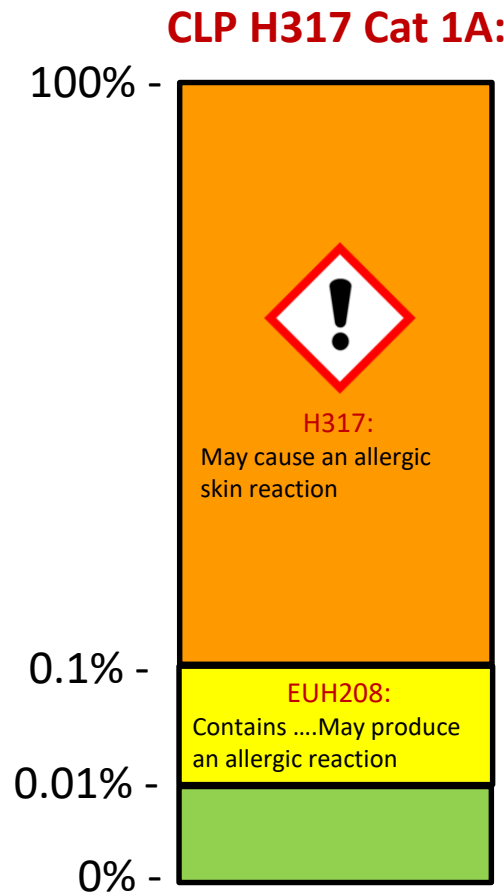
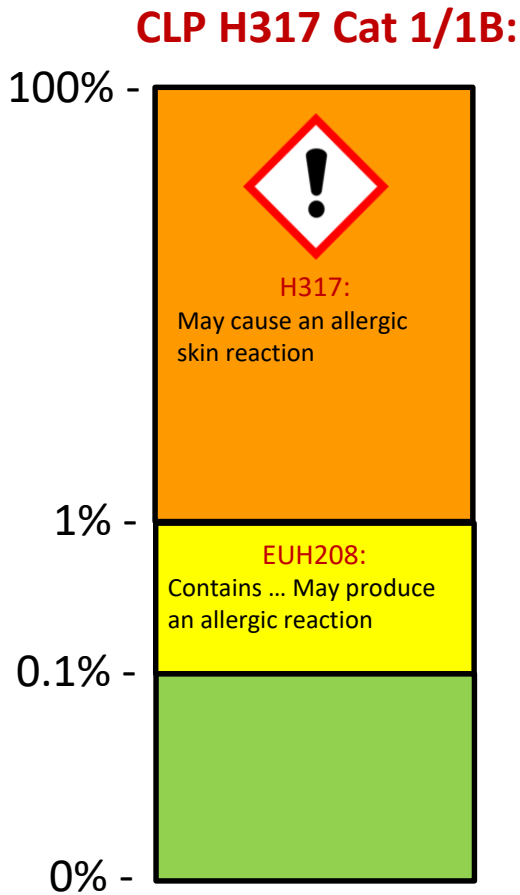


- EUH208:

‘Contains (substance name). May produce an allergic reaction’

CLP on Hazards for Sensitisers

- As function of allergen level (ca. logarithmic scale)





Labelling Requirements for Detergents

3 EU regulations guide the labelling of (sensitising) preservatives:

- **CLP:** for Induction(H317) or Elicitation (EUH208)
- **Detergent Regulation:** presence of preservative regardless of level
- **BPR:** the preservative used in the 'treated article'





Labelling Requirements for Detergents

Wolle / Seide Trockner

(UK) Liquid laundry detergent. Causes serious eye damage. Keep out of reach of children. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If medical advice is needed, have product container or label at hand. Contains Methyl-2-octynoate, Linalool, Isoeugenol, Benzisothiazolinone. May produce an allergic reaction. MEA-Dodecylbenzenesulfonate, C12-15 Pareth-5. **(FR) Lessive liquide.** Provoque de graves lésions des yeux. Tenir hors de portée des enfants. EN CAS DE CONTACT AVEC LES YEUX: Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. En cas de consultation d'un médecin, garder à disposition le récipient ou l'étiquette. Contient du (de la) Methyl-2-octynoate, Linalool, Isoeugenol, Benzisothiazolinone. Peut produire une réaction allergique. MEA-Dodecylbenzenesulfonate, C12-15 Pareth-5. **(DE) Flüssiges Waschmittel.** Verursacht schwere Augenschäden. Darf nicht in die Hände von Kindern gelangen. BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser ausspülen. Eventuell Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. Ist ärztlicher Rat erforderlich, Verpackung oder Kennzeichnungsetikett bereithalten. Enthält Methyl-2-octynoate, Linalool, Isoeugenol, Benzisothiazolinone. Kann allergische Reaktionen hervorrufen. MEA-Dodecylbenzenesulfonate, C12-15 Pareth-5.



Danger • Gefahr

UFI 4H3Q-UDRC-1PEA-NM6F

(UK) Ingredients: 5-15% Anionic surfactants, Nonionic surfactants; <5% Phosphonates, Enzymes, Optical brighteners, Benzisothiazolinone, Perfume, Methyl-2-octynoate, Citronellol, Geraniol, Linalool. • **(FR) Ingrédients:** 5-15% Agents de surface anioniques, Agents de surface non-ioniques; <5% Phosphonates, Enzymes, Azurants optiques, Benzisothiazolinone, Parfum, Methyl-2-octynoate, Citronellol, Geraniol, Linalool. • **(DE) Inhaltstoffe:** 5-15% Anionische Tenside, Nichtionische Tenside; <5% Phosphonate, Enzyme, Optische Aufheller, Benzisothiazolinone, Duftstoffe, Methyl 2-Octynoate, Citronellol, Geraniol, Linalool.

www.thisbrandingredients.info



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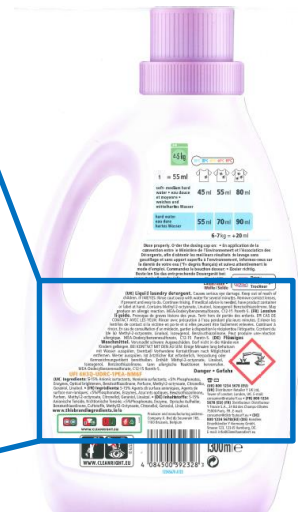
Producer and manufacturing address
 Company X. Bvd du Souverain 165,
 1160 Brussels, Belgium



1000 ml



WWW.CLEANRIGHT.EU





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UFI 4H3Q-UDRC-1PEA-NM6F

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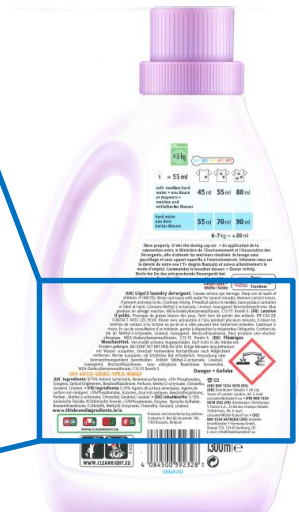
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Danger • Gefahr

CLP (EUH208)

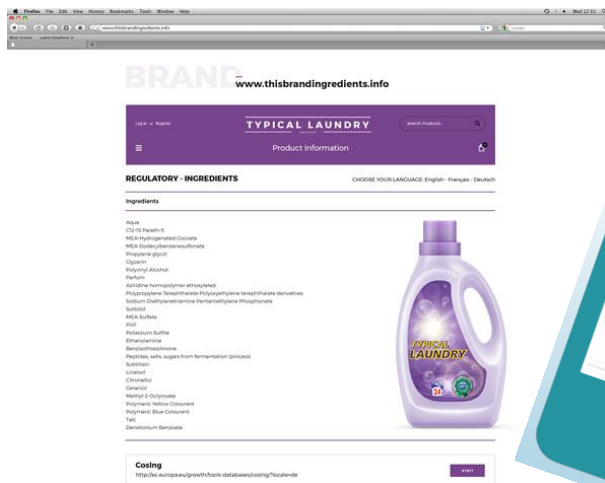
Detergent
Regulation
& BPR





Labelling Requirements for Detergents

- Online ingredient listing required for Detergents
- On-pack communication on allergens could be improved to avoid duplication by CLP and Det Reg
- Need for more user-friendly online tools especially for already sensitized people?





BPR is based on Risk Assessment

Is there a **Risk** from detergents for allergic reactions?

- D. Basketter* (focus on fragrance allergens): very little evidence in the literature
- Industrieverband Körperpflege- und Waschmittel**: <3 medically confirmed cases per year (over a 10 year period) for Germany (>80 Million people) collected by industry

Yet, BPR restricts some preservatives based on the CLP **Hazard** levels

*) D. Basketter e.a., *Eur J Dermatol* 2015; 25(1): 7-13.

**) IKW annual report 2017 (www.ikw.org/fileadmin/ikw/z-IKW-ENGLISCH/IKW_AnnualReport-2017-2018.pdf) p 26.



BPR is based on Risk Assessment

- BPR should authorise preservatives based on risk assessment
- On-pack listing of allergens protects and informs all end-users on hazards (including those already sensitised), but could be improved



THANK YOU

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