



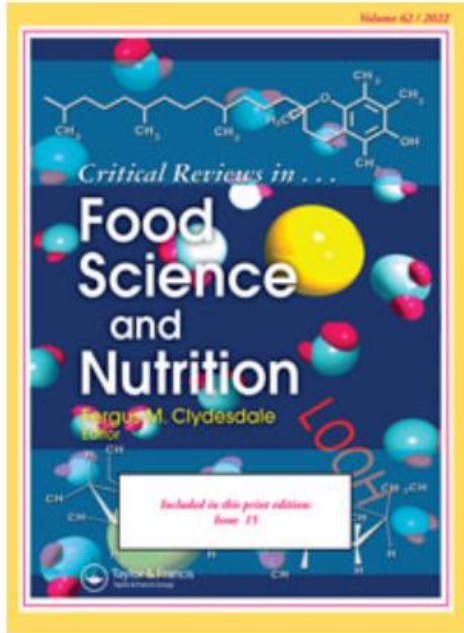
Food  
Packaging  
Forum

FCCmigex database:  
What do we know  
about chemicals in  
reusable plastic food  
contact materials?

Birgit Geueke, Food Packaging Forum







## Systematic evidence on migrating and extractable food contact chemicals: Most chemicals detected in food contact materials are not listed for use

Birgit Geueke, Ksenia J. Groh, Maricel V. Maffini, Olwenn V. Martin, Justin M. Boucher, Yu-Ting Chiang, Frank Gwosdz, Phoenix Jieh, Christopher D. Kassotis, Paulina Łańska, John Peterson Myers, Alex Odermatt, Lindsey V. Parkinson, Verena N. Schreier, Vanessa Srebny, Lisa Zimmermann, Martin Scheringer & Jane Muncke

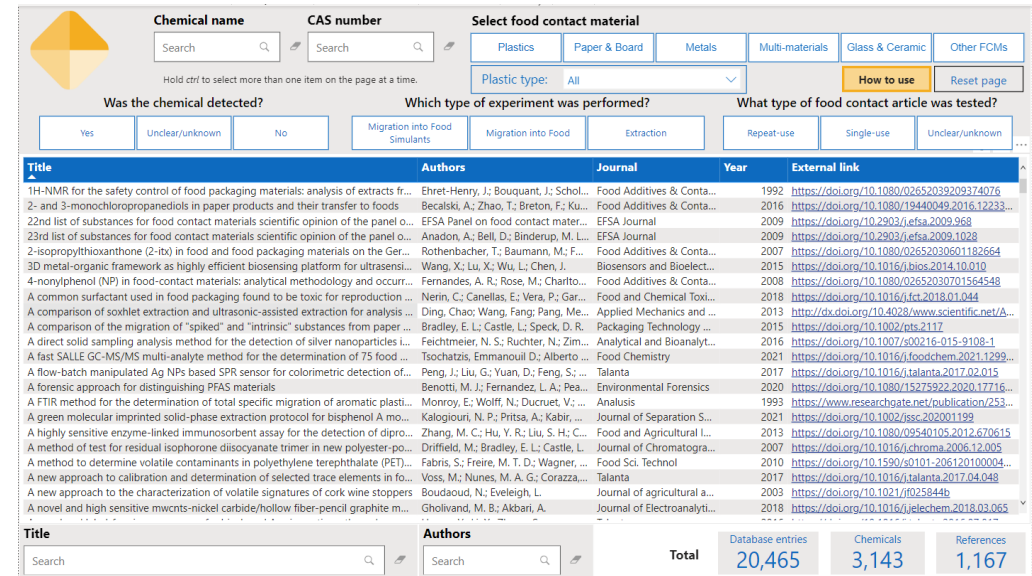
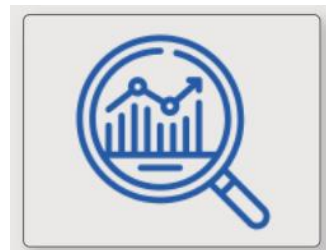
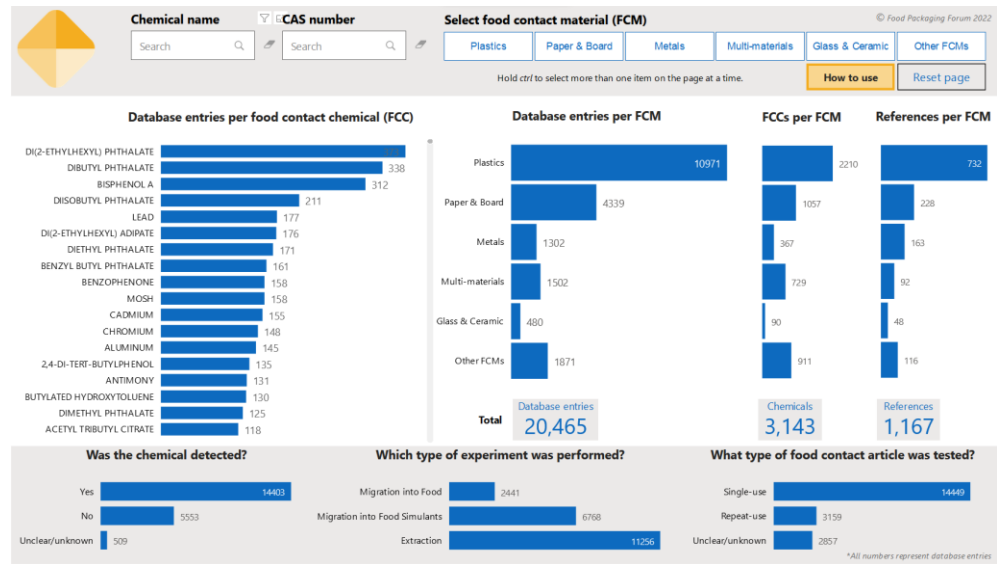


[FoodPackagingForum.org/fccmigex](https://FoodPackagingForum.org/fccmigex)

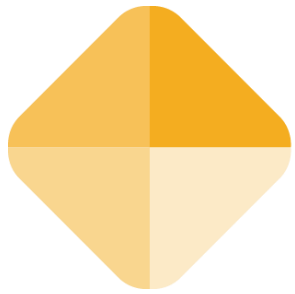


# FCCmigex

## Database on Migrating and Extractable Food Contact Chemicals

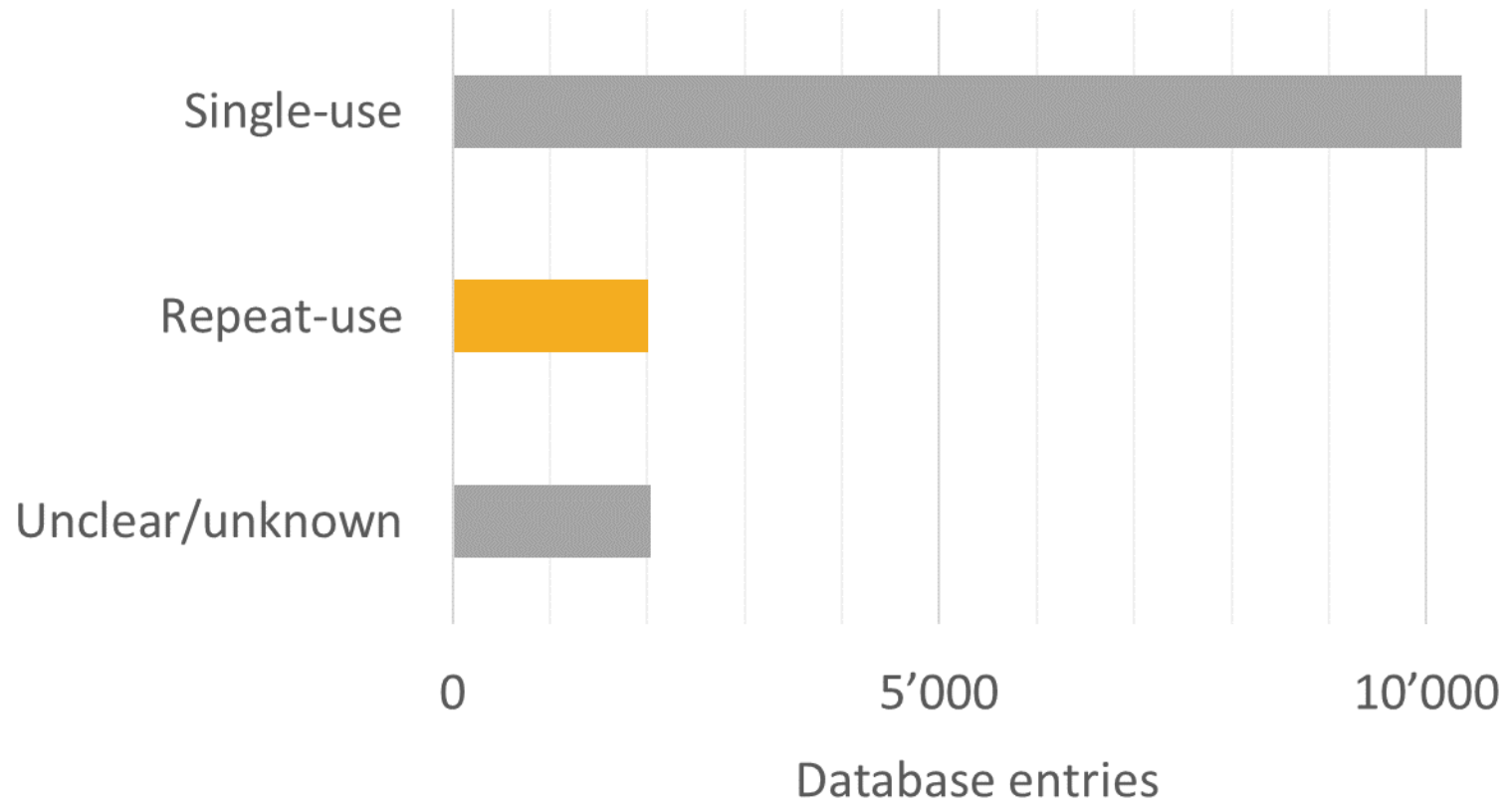


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# FCCmigex Case Study

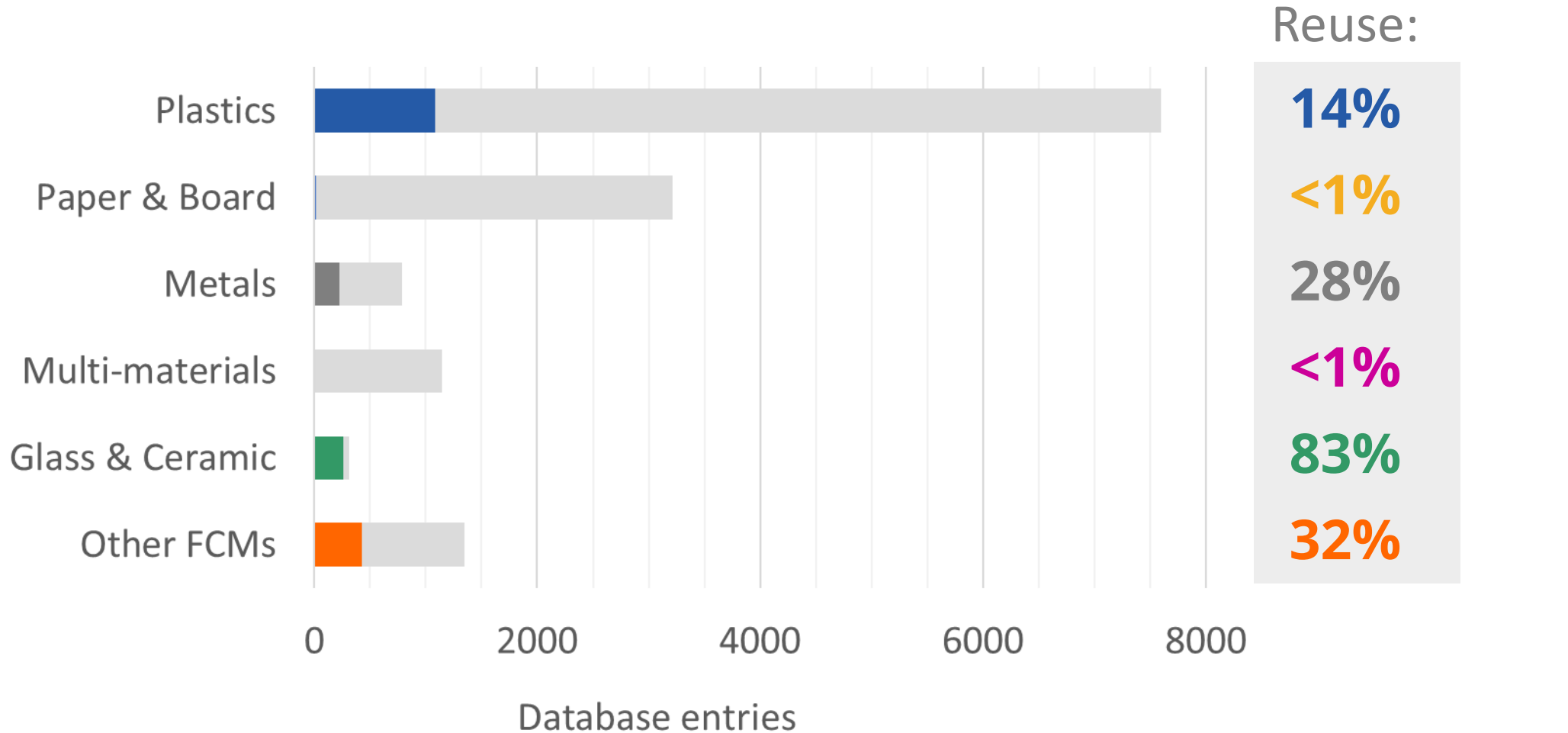
## Reuse (or Repeat-use)

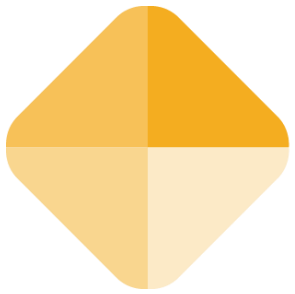


**2005** database entries  
(14%) for repeat-use

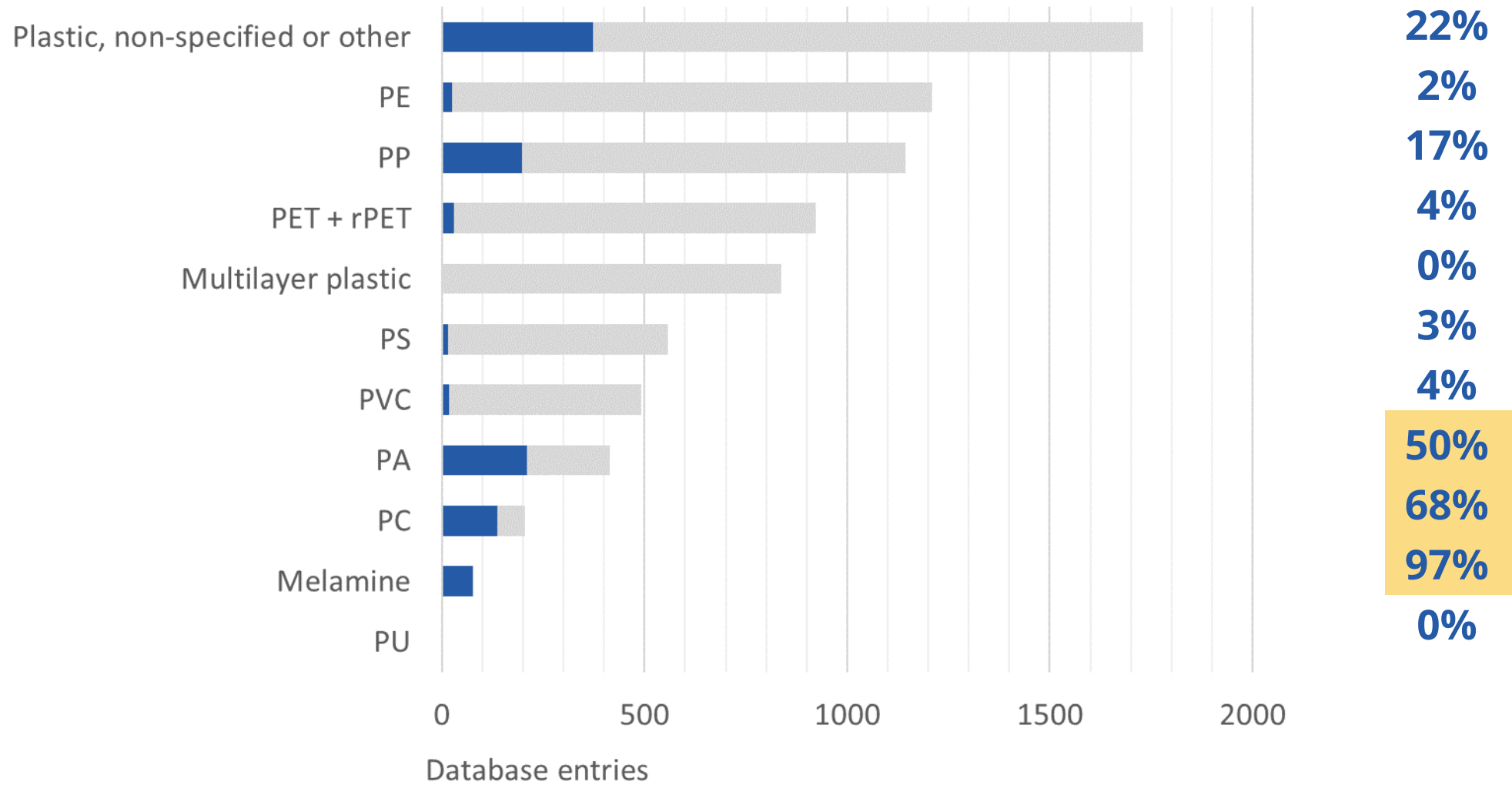


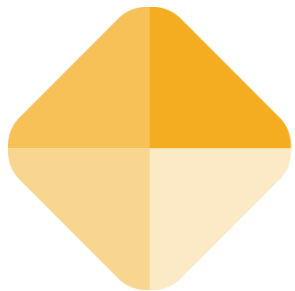
# Reuse: Food Contact Material





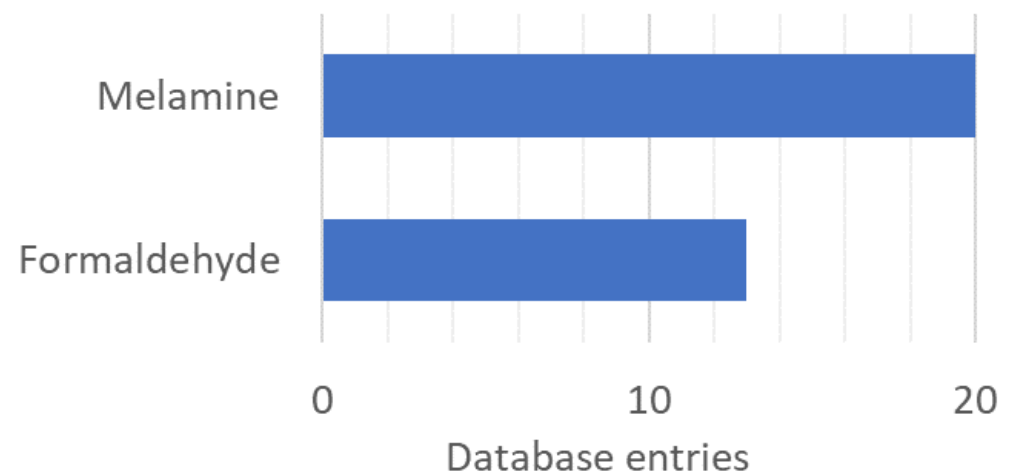
# Reuse: Plastic type

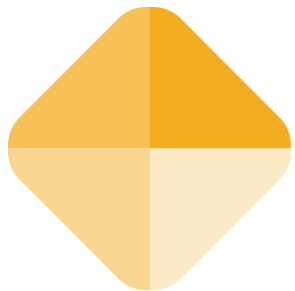




# Reusable Melamine (melamine resin)

Monomers



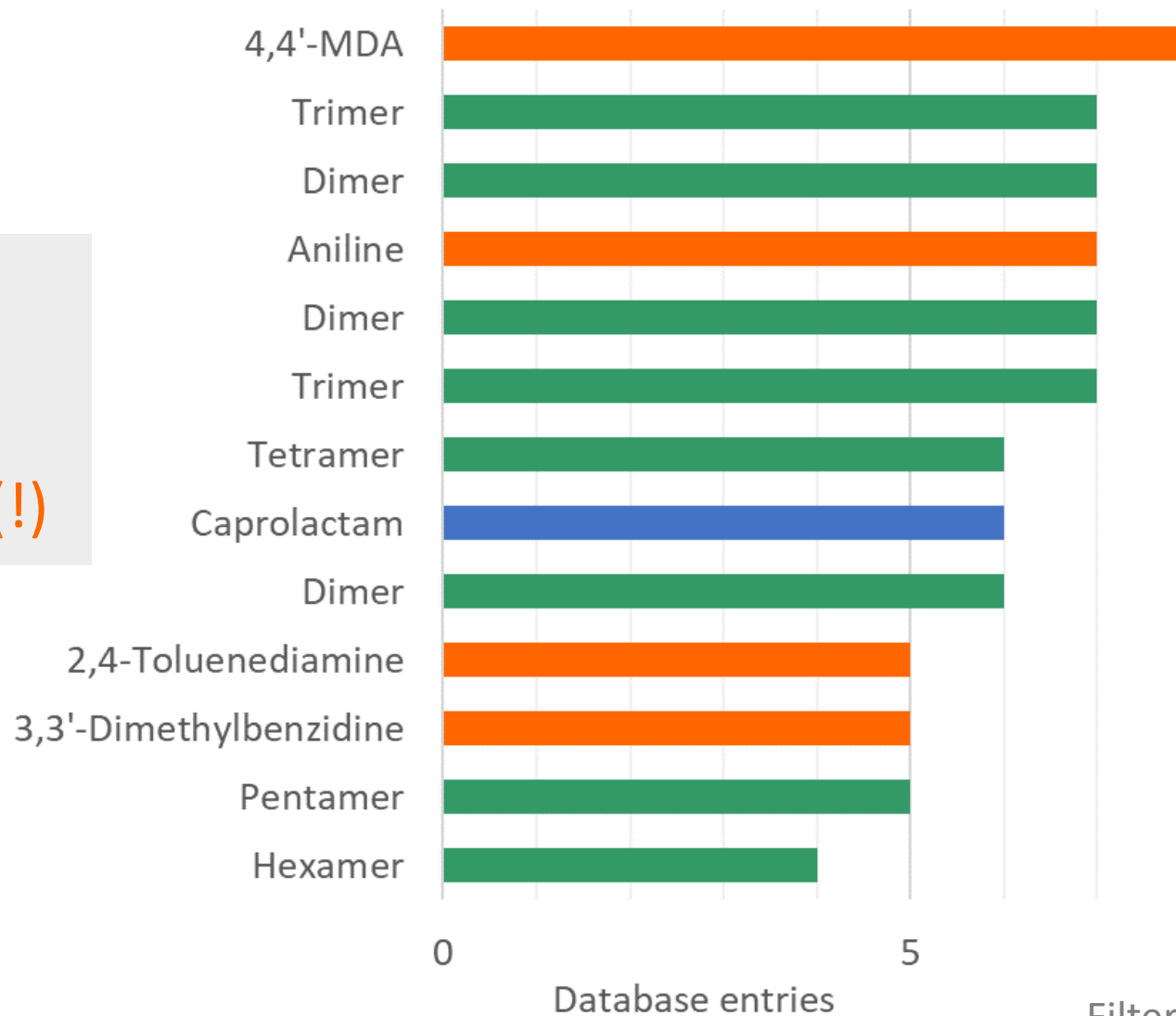


# Reusable Polyamide

Monomer

Oligomers

Primary aromatic amines (!)



Filter: detection "yes"

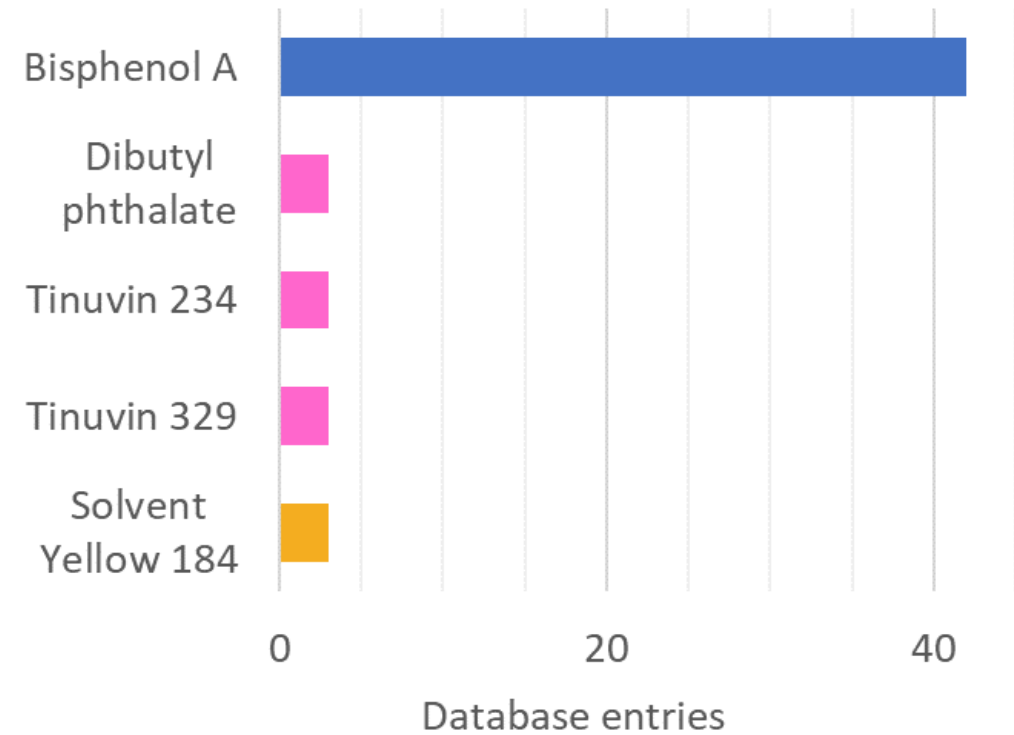


# Reusable Polycarbonate


Monomer

Additives

Pigment

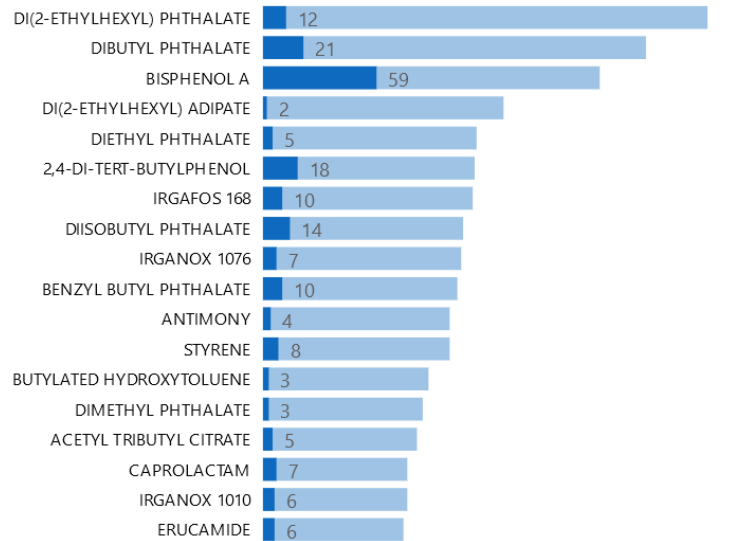


# How to learn more?

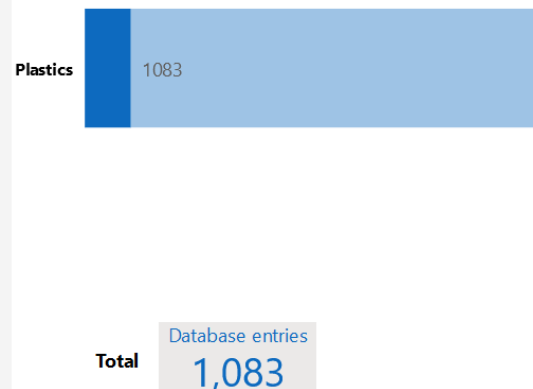

**Chemical name** 
**CAS number** 
**Select food contact material (FCM)**
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Hold *ctrl* to select more than one item on the page at a time.

Database entries per food contact chemical (FCC)



Database entries per FCM



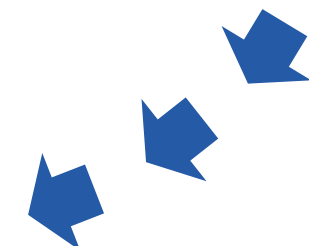
FCCs per FCM



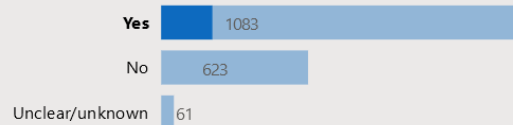
References per FCM



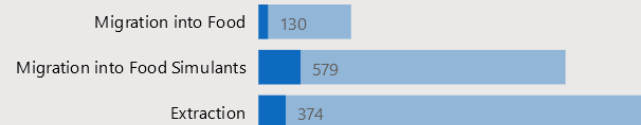
148 References to read\*



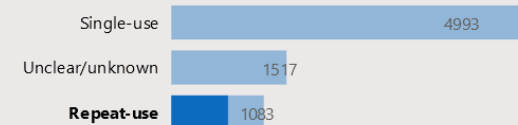
Was the chemical detected?



Which type of experiment was performed?



What type of food contact article was tested?



\*All numbers represent database entries

