

Chemical Free Household Products

Alexander F. G. Goldberg,^a Klaus Roth,^{b,1} CJ Chemjobber^c

^a Department of Organic Chemistry, Weizmann Institute of Science, Rehovot 76100, Israel,

^b Institut für Organische Chemie und Biochemie, Freie Universität Berlin,

^c 3170 Road 40 1/2, Shell, WY 82441, USA

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Household products from the food and cosmetics industry are advertised as “chemical free” in a nearly inflationary way. This declaration is mostly incorrect and it suggests that the products are produced from natural products, are extremely healthy, or completely free of artificial ingredients.^[1–∞] We have investigated these labels for a broad variety of such products, including herbal supplements, processed food and beverages, next to cosmetic products and cleaning agents. As a result we were able to compile a complete list of all “chemical free” domestic products.



¹e-mail: klaus.roth@fu-berlin.de

Summary

We have examined and subjected to analysis an exhaustive number of consumer products, including but not limited to lotions and cosmetics, herbal supplements, household cleaners, food items, and beverages. As a result we describe all those consumer products herein, to our knowledge, that are appropriately labeled as “chemical free”.

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The Authors



Alexander F. G. Goldberg was born in Toronto, Canada and received his PhD from the California Institute of Technology under the supervision of Prof. Brian Stolz. After a postdoc stay at the Weizmann Institute at the group of Prof. David Milstein, he returned to Canada to work as process chemist at Gilead Sciences in Edmonton.



Klaus Roth of the Freie Universität Berlin publishes regularly in “Chemie in unserer Zeit” about the significance of chemistry in everyday life.



CJ Chemjobber grew up in the United States and holds a PhD in organic chemistry. Today he works as process chemist in the chemical industry.

Notes and References

A small selection of relevant references:

- [1] “Chemiefreie” Sonnenschutzmittel (chemical free sunscreens): <http://campl.us/bmnl>
- [2] “Chemiefreier” Chemiebaukasten (chemical free chemistry kit): <http://sciencegeist.net/my-chemically-fueled-life/>
- [3] “Chemiefreier” Babykorb (chemical free bassinet): http://www.nytimes.com/2012/03/15/garden/going-to-extreme-lengths-to-purge-household-toxins.html?pagewanted=1&_r=1&
- [4] “Chemiefreie” Eier (chemical free eggs): <http://justlikecooking.blogspot.com/2012/07/chemophobia-vacation-style.html>
- [5] “Chemiefreie” Körperpflege (chemical free personal hygiene products): www.zentrum-der-gesundheit.de
- [6] “Chemiefreie” Nagellackentferner (chemical free nail polish removers): www.wellmagie.com/pflege-tipps-fuer-schoene-fingernaegel
- [7] “Chemiefreie” Haarentfernung (chemical free hair removal): www.sugaring.biz/sugaring-zubehoer/
- [8] “Chemiefreies” Bier (chemical free beer): <https://hallomuenchen.wordpress.com>
- [9] “Chemiefreies” Badezimmer (chemical free bathroom): <http://kidzchaos.com/nachhaltig-leben/chemiefreies-badezimmer/>
- [10] “Chemiefreies” Parfum (chemical free perfume): <http://beauty.excite.de/a-perfume-organic-chemiefreies-parfum-N45567.html>
- [11] “Chemiefreie” Desinfektion (chemical free disinfection): http://www.berkefeld.com/de/downloads/pressemitteilungen/2012-11-16,Hohe_Raumluftqualitaet_durchchemiefreie_Desinfektion.htm
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- [13] “Chemiefreie” Kleidung (chemical free clothing): www.alnatura.de/de-de/panorama/kultur-und-gesellschaft/gesellschaft/chemiefreie-kleidung
- [14] “Chemiefreie” Unkrautvernichtung (chemical free herbicide): www.chemiefrei-thoma.de
- [15] “Chemiefreie” Kartoffeln (chemical free potatoes): <http://www.mz-web.de/zeitz/huehnerhof-zimmermann-bei-zeitz-chemiefreie-kartoffeln-und-glueckliche-huehner,20641144,32205770.htm>
- [16] “Chemiefrei” gegen Zecken (chemical free Tick-Spray): <http://www.veterinaer-rundschau.de/chemiefrei-gegen-zecken-flohe-und-milben/>
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- [∞] “Chemiefreie” Haarfarbe (chemical free hair tining lotion): <http://theos-hairdesign.de/die-chemiefreie-haarfarbe-elumen/>