Chromium allergy and dermatitis: prevalence and main findings

The history of chromium as an allergen goes back more than a century, and includes an interventional success with national legislation that led to significant changes in the epidemiology of chromium allergy in construction workers. The 2015 EU Leather Regulation once again put a focus on chromium allergy, emphasizing that the investigation of chromium allergy is still far from complete. Our review article on chromium focuses on the allergen's chemical properties, its potential exposure sources, and the allergen's interaction with the skin, and also provides an overview of the regulations, and analyses the epidemiological pattern between nations and across continents. We provide an update on the allergen from a dermatological point of view, and conclude that much still remains to be discovered about the allergen, and that continued surveillance of exposure sources and prevalence rates is necessary.

General information
State: Published
Organisations: Department of Mechanical Engineering, Materials and Surface Engineering, Gentofte University Hospital, Copenhagen University Hospital
Contributors: Bregnbak, D., Johansen, J. D., Jellesen, M. S., Zachariae, C., Menné, T., Thyssen, J. P.
Pages: 261-280
Publication date: 2015
Peer-reviewed: Yes

Publication information
Journal: Contact Dermatitis
Volume: 73
Issue number: 5
ISSN (Print): 0105-1873
Ratings:
BFI (2018): BFI-level 2
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 2
Scopus rating (2017): CiteScore 2.24 SJR 0.836 SNIP 1.592
Web of Science (2017): Impact factor 4.275
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 2
Scopus rating (2016): CiteScore 2.47 SJR 0.862 SNIP 1.665
Web of Science (2016): Impact factor 4.335
Web of Science (2016): Indexed yes
BFI (2015): BFI-level 2
Scopus rating (2015): CiteScore 2.85 SJR 1.007 SNIP 1.486
Web of Science (2015): Impact factor 5.692
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 2
Scopus rating (2014): CiteScore 2.02 SJR 0.886 SNIP 1.684
Web of Science (2014): Impact factor 3.747
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 2
Scopus rating (2013): CiteScore 1.87 SJR 0.822 SNIP 1.423
Web of Science (2013): Impact factor 3.624
ISI indexed (2013): ISI indexed yes
Web of Science (2013): Indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): CiteScore 1.98 SJR 0.882 SNIP 1.355
Web of Science (2012): Impact factor 2.925
ISI indexed (2012): ISI indexed yes
Web of Science (2012): Indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): CiteScore 1.91 SJR 1.035 SNIP 1.132
Web of Science (2011): Impact factor 3.509
ISI indexed (2011): ISI indexed yes