

Miller, Diane M. (CDC/NIOSH/EID)

From:
Sent: Monday, October 29, 2007 11:19 AM
To: Miller, Diane M. (CDC/NIOSH/EID)
Subject: Dermal Resource Guide-NIOSH

Follow Up Flag: Follow up
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Attachments: ReviewNIOSH



ReviewNIOSH S.
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Dear Ms Miller,

please find attached the review of the Dermal Resource Guide-NIOSH. I will send this review also by mail if needed. Also-I declare hereby that there is no conflict of Interest in any of three items from the Peer Reviewer Conflict of Interest Form.
If there are some questions please let me know,

best wishes,

Review on: "Comprehensive Resource Guide for managing Occupational Exposures of skin to hazardous Chemicals"

Reviewer:

1.

Although the guide provides some valuable information on both risk and hazard associated with dermal exposure in the workplace I am not convinced that this is the best way how to use research information and find the information resources for occupational skin exposure.

The essential questions of general public and professionals are: 1) where do I go to find the information, 2) is all information equally useful, and 3) how do I apply this knowledge in the practice. This guide addresses mainly the first issue and in this context the tables with books/brochures/guidelines/websites in this guide might be useful. However, the guide does not provide an index which makes searching for a particular question impossible. The main topics addressed in this guide are very logical from a mechanistic point of view but for the end user this conceptual approach is of no or of little practical use. In general, occupational professionals and workers are confronted with a particular problem e.g. what is the risk of dermal exposure to a specific organic solvent, which gloves should be used, which local effects can be expected etc?

What the scientific articles (primary and reviews) concern, I see no added value of this guide above PubMed/ToxLine search. The articles are not evaluated on quality and because the guide will not be updated, relevant recent literature might be overlooked by the user of the guide. Secondly, without an index searching is impossible.

In my opinion, the most valuable tool for the general as well as for the professional audience will be 1) a comprehensive guide through different sources of information (e.g. data bases such as MedLine through PubMed, TOXNET, NIOSH website, MSDS, (OECD) Guidelines, text books) and 2) an instruction for the end user how to develop a good search strategy. An example of such a guide is recently issued by

the WHO: "A practical Guide for the use of research information to improve quality of occupational health practice", Protecting Worker's Health Series No. 7, 2006.

2.

Yes the information is appropriate. As I have already mentioned I miss critical evaluation of the selected articles.

3. Some primary articles are too specific. Examples are references nr. 72 and 179.

4. More comprehensive search is needed for this, but this is one of them:

Van de Sandt JJ, Dellarco M, Van Hemmen JJ. From dermal exposure to internal dose. *J Expo Sci Environ Epidemiol*. 2007 Apr 18; [Epub ahead of print]