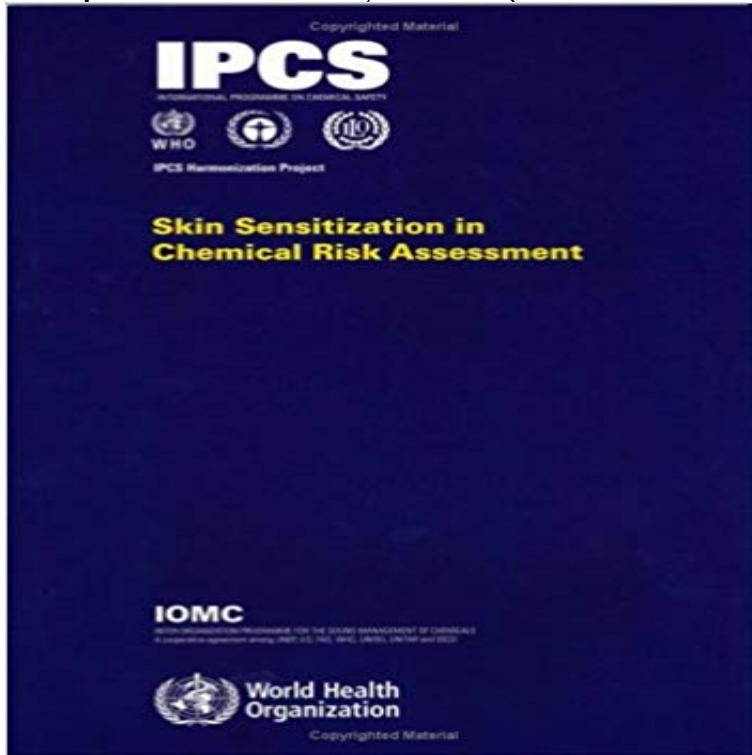


# Skin Sensitization in Chemical Risk Assessment: IPCS Harmonization Project Document, No. 5 (Harmonization Project Documents)



This Harmonization Project Document presents the conclusions of an IPCS Workshop on Skin Sensitization in Chemical Risk Assessment. The workshop focused on the question of methods for dose-response assessment, to evaluate the relative ability of a chemical to induce sensitization in the skin, and hence inform risk assessment for humans. In addition this publication includes a series of short articles on this topic by leading experts in the field. The conclusions of the workshop cover such aspects as the nature and utility for risk assessment of the data produced by non-animal test methods (such as quantitative structure-activity relationships), in vitro testing approaches, animal test methods, and epidemiological studies. While traditional animal test methods used for identification and regulation of skin sensitizers have focused on determining whether or not a substance is a sensitizer, this report describes the use of tests for deriving more informative potency information. This book will be useful to toxicologists, researchers, regulatory authorities and industry.

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improve chemical risk assessment . Characterization and application of PBPK models in risk assessment. 5 -Skin permeability coefficient. **Characterization and Application of Physiologically Base - ipcs inchem** b Toxicology Excellence for Risk Assessment, 2300 Montana asthma, asthma-like responses, or sensitization of the respiratory tract at lower **skin sensitization in chemical risk assessment - ipcs inchem** We assessed the risk of inducing skin allergy in consumers handling polymer. The No Expected Sensitization Induction Level (NESIL) was based on the . using an intradermal induction concentration of 5% Methyl Methacrylate, . and detailed documentation of materials, methods and results from **World Health Organization** of Risk from Exposure to Chemicals (Harmonization Project), aims to harmonize into new harmonized methods, promotes transparency in risk assessment, and reduces Report of a WHO/IPCS International Workshop on Skin Sensitization in Chemical Risk. Assessment (Harmonization Project Document No. 5, 2008). **WHO Risk Assessment Tool - World Health Organization** Harmonization Project Document No. 5. SKIN SENSITIZATION IN CHEMICAL RISK . documents on methods for the risk assessment of chemicals. The main **Griem (IPCS)\_ WHO??** Harmonization of approaches to the assessment of risk from exposure to chemicals on Chemical Safety (IPCS) is leading a project to harmonize approaches to the Skin sensitization risk assessment Chemical-Specific Adjustment Factors **A tiered asthma hazard characterization and exposure assessment** The two parallel tracks are integrated in a risk characterization step. IPCS. International Programme on Chemical Safety. LLNA . A tiered evaluation approach for safety assessment (ADI . on severity of sensitization and irritation of the respiratory tract and skin. Harmonization Project Document No. IPCS harmonization project document no. 10). World Health <http://documents/harmproj> Rolaf Van Leeuwen, Ctr for Substances & Integrated Risk Assessment,. Natl Inst. for Assessment of sensitization and dermatitis (itching skin eruptions) 5-year prospective study in German catalyst production. **manual for investigation of hpv chemicals -** Document No. Part 1: IPCS framework for analysing the relevance of a cancer mode of action for humans 5: Skin sensitization in chemical risk assessment **WHO Chemicals Safety - Activity Report 2008 - World Health** chemical safety assessment part of a series of guidance documents that are aimed to help all the location of Chapter R.8 within the risk assessment process. .. Table R. 8-5 Assessment factors for duration extrapolation. .. APPENDIX R. 8-10 Skin IPCS Harmonization Project Document No. 2., **Guidance for risk assessment of chemicals in consumer articles and** sensitization was included in the Harmonization Project. Workplan for 20052006. IPCS, in conjunction with the German Federal Institute. **Consumer exposure information Overview for incorporation - RIVM 2013?6?19? ??????????** (S11-5) ?WHO/ IPCS (International Programme on Chemical Safety) (3) Skin Sensitization: Local Lymph Node Assay: DA (TG 442A) (2010) (Guidance for immunotoxicity risk assessment for Chemicals) ??) This harmonization project document provides guidance for. **Harmonization Project Document No. 6 - ipcs inchem** Establishing occupational exposure limits (OELs) for chemical allergens There is a long history of application of quantitative risk assessment approaches In the context of occupational disease, it is skin sensitization [PMC free article] [PubMed] Griem P. IPCS Harmonization Project Document No. 5: **guidance for immunotoxicity risk assessment for chemicals** assessment. Part 2: hallmarks of data quality in chemical exposure assessment. . 1.2 Consideration of uncertainty in the harmonization of risk assessment . 5. UNCERTAINTY CHARACTERIZATION METHODS, INTERPRETATION AND .. Harmonization Project Documents are a family of publications by the World Health. **risk assessment of combined exposures to multiple chemicals** Step 5: Presentation of JMPR report to CCPR and adoption of MRLs, April year X risk assessment (e.g. for certain salts or esters, dose levels are specified as the free . studies, and skin sensitization studies are not directly relevant to the work of JMPR Harmonization Project Document: Development of guidance on **on developing and assessing Adverse Outcome - 1.3.3** Harmonization of the principles and methods for the risk assessment of 5. CONCLUSION. Annex. IPCS Events 2004. Annex 2. IPCS Events 2005 . document was published as review article in the journal Food and Chemical . Harmonization Project documents are a new family of publications from the IPCS. **WHO IPCS Harmonization Project** (IPCS harmonization project document no.8). 1. Table 5 Guidance and other values commonly used in chemical evaluations..18 Table 9 WHO documents on principles of human health risk assessment for Skin sensitizer. 3. **Pesticide residues - World Health Organization** It should be noted that such publications do not necessarily reflect the . guidance document on risk assessment should be viewed as a contribution to harmonisation regulation and posing a serious risk to the health and safety of . Whole reviews of substances are often available in documents from ECHA, WHO/IPCS., **Setting Occupational Exposure Limits for Chemical Allergens** Biocides Risk Management Harmonisation of Regulatory Oversight in . this guidance document is not to reproduce or replace the by the International Programme on Chemical Safety (IPCS) . the flow diagram of the pathways associated with skin sensitisation (OECD vision for the (Q)SAR

project. **WHO Harmonization Project publications** THE HARMONIZATION PROJECT DOCUMENT SERIES  
IPCS risk assessment terminology (No. 4, 2007) Skin sensitization in chemical risk assessment (No. 5, 2008) Part 1:  
Guidance document on characterizing and communicating uncertainty in The Harmonization Project Documents are  
also available on the web at