Accepted Manuscript

Title: *In vitro* and *in vivo* genotoxicity investigations of differently sized amorphous SiO₂ nanomaterials

Author: Elena Maser Markus Schulz Ursula G. Sauer Martin Wiemann Lan Ma-Hock Wendel Wohlleben Andrea Hartwig

Robert Landsiedel

PII: \$1383-5718(15)00266-1

DOI: http://dx.doi.org/doi:10.1016/j.mrgentox.2015.10.005

Reference: MUTGEN 402674

To appear in: Mutation Research

 Received date:
 20-7-2015

 Revised date:
 17-10-2015

 Accepted date:
 27-10-2015

Please cite this article as: Elena Maser, Markus Schulz, Ursula G.Sauer, Martin Wiemann, Lan Ma-Hock, Wendel Wohlleben, Andrea Hartwig, Robert Landsiedel, In vitro and in vivo genotoxicity investigations of differently sized amorphous SiO2 nanomaterials, Mutation Research/Genetic Toxicology and Environmental Mutagenesis http://dx.doi.org/10.1016/j.mrgentox.2015.10.005

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

In vitro and in vivo genotoxicity investigations of differently sized amorphous SiO₂ nanomaterials

Elena Maser¹, Markus Schulz², Ursula G. Sauer³, Martin Wiemann⁴, Lan Ma-Hock², Wendel Wohlleben^{2,5}, Andrea Hartwig¹, Robert Landsiedel²*

- 1 Karlsruhe Institute of Technology (KIT), Institute of Applied Biosciences, Dept. of Food Chemistry and Toxicology, Karlsruhe, Germany
- 2 Experimental Toxicology and Ecology, BASF SE, Ludwigshafen, Germany
- 3 Scientific Consultancy Animal Welfare, Neubiberg, Germany
- 4 IBE R&D gGmbH, Institute for Lung Health, Münster, Germany
- 5 Material Physics, BASF SE, Ludwigshafen, Germany
- * Corresponding author, Experimental Toxicology and Ecology, BASF SE, 67056 Ludwigshafen, Germany; tel.:
- +49 (0)621 60 56 203; email: robert.landsiedel@basf.com (R. Landsiedel)

Download English Version:

https://daneshyari.com/en/article/8456307

Download Persian Version:

https://daneshyari.com/article/8456307

<u>Daneshyari.com</u>