

Accepted Manuscript

Title: Ingestion and contact with polyethylene microplastics does not cause acute toxicity on marine zooplankton

Authors: R. Beiras, J. Bellas, J. Cachot, B. Cormier, X. Cousin, M. Engwall, C. Gambardella, F. Garaventa, S. Keiter, F. Le Bihanic, S. López-Ibáñez, V. Piazza, D. Rial, T. Tato, L. Vidal-Liñán



PII: S0304-3894(18)30661-7
DOI: <https://doi.org/10.1016/j.jhazmat.2018.07.101>
Reference: HAZMAT 19610

To appear in: *Journal of Hazardous Materials*

Received date: 16-3-2018
Revised date: 13-7-2018
Accepted date: 26-7-2018

Please cite this article as: Beiras R, Bellas J, Cachot J, Cormier B, Cousin X, Engwall M, Gambardella C, Garaventa F, Keiter S, Le Bihanic F, López-Ibáñez S, Piazza V, Rial D, Tato T, Vidal-Liñán L, Ingestion and contact with polyethylene microplastics does not cause acute toxicity on marine zooplankton, *Journal of Hazardous Materials* (2018), <https://doi.org/10.1016/j.jhazmat.2018.07.101>

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.

Ingestion and contact with polyethylene microplastics does not cause acute toxicity on marine zooplankton

R. Beiras^{1*}, J. Bellas², J. Cachot³, B. Cormier⁴, X. Cousin^{5,6}, M. Engwall⁴, C. Gambardella⁷, F. Garaventa⁷, S. Keiter⁴, F. Le Bihanic³, S. López-Ibáñez¹, V. Piazza⁷, D. Rial², T. Tato¹, L. Vidal-Liñán².

¹ ECIMAT, University of Vigo, Illa de Toralla E-36331, Vigo, Galicia.

² Centro Oceanográfico de Vigo. Instituto Español de Oceanografía, Cabo Estay, E-36390, Vigo, Galicia.

³ Bordeaux University, EPOC, UMR CNRS 5805, Avenue des Facultés, 33400 Talence, France.

⁴Man-Technology-Environment Research Centre, School of Science and Technology, Örebro University, Fakultetsgatan 1, 701 82 Örebro, Sweden

⁵ IFREMER, Laboratoire Adaptation et Adaptabilités des Animaux et des Systèmes, UMR MARBEC, chemin de Maguelone, 34250 Palavas, France ;

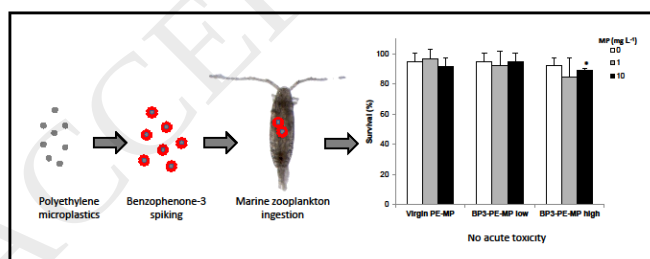
⁶UMR GABI INRA, AgroParisTech, Université Paris-Saclay, F-78350 Jouy-en- Josas, France.

⁷CNR-ISMAR, Via de Marini 6, 16149 Genova, Italy.

*corresponding author; e-mail rbeiras@uvigo.es

Declarations of interest: none

GRAPHICAL ABSTRACT



Download English Version:

<https://daneshyari.com/en/article/11003011>

Download Persian Version:

<https://daneshyari.com/article/11003011>

[Daneshyari.com](https://daneshyari.com)