



Linda S. Adams
Secretary for
Environmental Protection



Department of Toxic Substances Control

Maziar Movassaghi, Acting Director
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Sacramento, California 95812-0806



Arnold Schwarzenegger
Governor

December 21, 2010

Company Official
Company Name
Street Address
City, State and Zipcode

VIA CERTIFIED MAIL

FORMAL REQUEST FOR CHEMICAL INFORMATION AND ANALYTICAL TEST METHODS FOR SPECIFIED NANOMATERIALS

Dear Sir or Madam:

The Department of Toxic Substances Control (DTSC) formally requests information regarding the chemical and physical properties, including analytical test methods and other relevant information, about six specified chemicals. DTSC has identified your company or institution as a manufacturer who produces or imports one or more of the following nanomaterial chemicals:

- Nano Silver
- Nano Zero Valent Iron
- Nano Cerium Oxide
- Nano Titanium Dioxide
- Nano Zinc Oxide
- Quantum Dots

DTSC seeks information about these nanomaterial chemicals because their commercial uses and applications are growing; yet, information about analytical test methods, physicochemical properties, toxicity, and fate and transport of these nanomaterial chemicals are generally unknown or unavailable. DTSC is specifically interested in information related to analytical test methods for these chemicals in environmental matrices, including water, air, soil, sediment, sludge, and chemical waste. California Health and Safety Code sections 57018 – 57020 authorizes state agencies to request such information so industry and interested stakeholders—working in partnership with state government agencies—can develop and use appropriate analytical test methods to ascertain how these chemicals may affect public health and our environment. Manufacturers (including importers) must provide the requested information in writing to DTSC no later than one year from the date of this letter; however, your timely attention and response is preferred. The pertinent statutory sections are enclosed.

Per the requirements of California Health and Safety Code section 57019, DTSC has conducted extensive research and dialogue about the six specified nanomaterial chemicals. We collaborated with the U.S. Environmental Protection Agency in these efforts. DTSC announced our initial interest and intent to call-in the six nanomaterial chemicals (above) on our website in April 2009. During the last year and a half, DTSC has conducted a search for

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information on manufacturers of the six nanomaterial chemicals, analytical test methods for those chemicals, and other relevant information. The bibliography of our research is posted on the DTSC's website at:

http://www.dtsc.ca.gov/TechnologyDevelopment/Nanotechnology/upload/Round_Two_Biblio.pdf. We have also called, emailed, visited and met with manufacturers and importers to discuss the information call-in program and the information sought about relevant analytical test methods. DTSC convened a public workshop on the six specified nanomaterial chemicals on September 22, 2010, in San Francisco.

The list of manufacturers who are receiving this notice can be found at:

http://www.dtsc.ca.gov/TechnologyDevelopment/Nanotechnology/upload/Round_Two_List_of_Letters_Sent.pdf.

If you are aware of other manufacturers who should also receive this request, we welcome your input and comments. If you feel your institution or organization has received this formal request in error, please notify the DTSC, in writing, and state your reasons for why the information call-in request does not apply to you.

The statute anticipates a collaborative process for compiling the requested information. The DTSC team is available to meet with you to discuss this information call-in. We request that you contact us within 60 days of this letter to discuss this call-in and your preliminary responses. This interaction will provide you the prospect of asking questions you may have regarding the call-in and obtaining potential resources available to assist you in the formulation of your comprehensive responses. California law assigns to manufacturers, either as a group or individually, the responsibility to provide information on the fate and transport of the specified chemicals as well as the analytical test methods to determine the identity and concentration of those chemicals in relevant environmental matrices. Accredited independent laboratories, universities, national laboratories, and reference laboratories may participate in the development and application of relevant analytical test methods. We welcome the opportunity to discuss this call-in with you and your colleagues.

Health and Safety Code section 57020 sets forth certain "trade secret" provisions. We encourage you to contact us to discuss this call-in, including any written information that you consider "trade secrets."

This letter is a formal information request and manufacturers subject to the statute are required to provide the information in writing to DTSC no later than Wednesday, December 21, 2011. We look forward to working with you in a collaborative and proactive manner. If you have questions or comments, please contact Hamid Saebfar at (818) 717-6530, hsaebfar@dtsc.ca.gov, or Donald Owen at (916) 445-2930, dowen@dtsc.ca.gov.

Sincerely,

Jeffrey Wong, Ph.D.
Chief Scientist

Enclosures (2)