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Title 22@ Social Security

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Division 4.5@ Environmental Health Standards for the Management of Hazardous Waste

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Chapter 54@ Green Chemistry Hazard Traits, Toxicological and Environmental Endpoints and Other Relevant Data

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Article 3@ 3. Other Toxicological Hazard Traits

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Section 69403.17@ Evidence for Other Toxicological Hazard Traits

## **69403.17 Evidence for Other Toxicological Hazard Traits**

### **(a)**

For a given chemical substance, either of the following constitutes strong evidence of any of the hazard traits identified in this article: (1) An authoritative organization identifies or otherwise indicates that the chemical substance has the hazard trait by: (A) Concluding based on well-conducted scientific studies that the chemical has the hazard trait. (B) Using the hazard trait in a hazard identification, dose-response assessment or risk assessment. (C) Including the chemical substance on a list of substances identified as having, or being regulated based on, the hazard trait. (2) The available data from well-conducted scientific studies show that exposure to the chemical substance induces a toxicological endpoint or endpoints for the hazard trait.

### **(1)**

An authoritative organization identifies or otherwise indicates that the chemical substance has the hazard trait by: (A) Concluding based on well-conducted scientific studies that the chemical has the hazard trait. (B) Using the hazard trait in a hazard identification, dose-response assessment or risk assessment. (C) Including the chemical substance on a list of substances identified as having, or being regulated based on, the hazard trait.

### **(A)**

Concluding based on well-conducted scientific studies that the chemical has the hazard trait.

**(B)**

Using the hazard trait in a hazard identification, dose-response assessment or risk assessment.

**(C)**

Including the chemical substance on a list of substances identified as having, or being regulated based on, the hazard trait.

**(2)**

The available data from well-conducted scientific studies show that exposure to the chemical substance induces a toxicological endpoint or endpoints for the hazard trait.

**(b)**

For a given chemical substance, each of the following constitutes suggestive evidence of any of the hazard traits identified in this article: (1) An authoritative organization identifies or discusses the chemical substance as possibly having the hazard trait. (2) The available data from well-conducted scientific studies suggest exposure to the chemical substance induces a toxicological endpoint or endpoints for the hazard trait. (3) Mechanistic evidence that is suggestive of the hazard trait, from cell-based, tissue-based or whole organism-based assays showing perturbations of known physiological, biochemical or other pathways involved in causing the hazard trait. (4) Strong indications of the hazard trait from structure activity relationships, including but not limited to those from Quantitative Structure Activity Relationship models.

**(1)**

An authoritative organization identifies or discusses the chemical substance as possibly having the hazard trait.

**(2)**

The available data from well-conducted scientific studies suggest exposure to the

chemical substance induces a toxicological endpoint or endpoints for the hazard trait.

**(3)**

Mechanistic evidence that is suggestive of the hazard trait, from cell-based, tissue-based or whole organism-based assays showing perturbations of known physiological, biochemical or other pathways involved in causing the hazard trait.

**(4)**

Strong indications of the hazard trait from structure activity relationships, including but not limited to those from Quantitative Structure Activity Relationship models.