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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 69403.8@ Immunotoxicity

69403.8 Immunotoxicity

(a)

Immunotoxicity is defined as the occurrence of adverse effects on the components or function of the immune system following exposure to a chemical substance.

(b)

Toxicological endpoints for immunotoxicity include but are not limited to those indicating: allergic sensitization, those indicating hypersensitivity (types I-IV); changes in circulating immune cell numbers; gross and histopathological changes in lymphoid organs; alterations in cytokine production and release; changes in number or behavior of regulatory effector cells; in vivo suppression or enhancement of the immune response; changes in specific immunoglobulins; changes in immune organ weights; in vitro or ex vivo indicators of heightened or suppressed immune response; initiation or exacerbation of autoimmunity.

(c)

Other relevant immunotoxicity data include but are not limited to: high antigenicity; structural or mechanistic similarity to other chemical substances that are immunotoxic.