

69403.6 Hematotoxicity

(a)

The hematotoxicity hazard trait is defined as the occurrence of adverse effects on blood or blood-forming tissues following exposure to a chemical substance.

(b)

Toxicological endpoints for hematotoxicity include, but are not limited to those indicating: alterations in the number, types or lifetime of circulating blood cells, or in the ratio of cell types; decrease in the oxygen transporting capacity of hemoglobin or red blood cells; increase or decrease in blood clotting activity resulting from interference in platelet response or function or other causes; bone marrow toxicity; aplastic, hemolytic or myelodysplastic anemia.

(c)

Other relevant data include but are not limited to: in vitro measures of toxicity in isolated blood cells or blood-forming tissues; structural or mechanistic similarity to other chemical substances that are hematotoxic.