

AS/NZS 8124.4:2020



Australian/New Zealand Standard™

Safety of toys

Part 4: Experimental sets for chemistry and related activities (ISO 8124-10:2019, MOD)



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The following are represented on Committee CS-018:

- Australian Toy Association
- Better Regulation Division, NSW
- CHOICE
- Consumer Affairs Victoria
- Consumers Federation of Australia
- Kidsafe Australia
- National Retail Association Australia
- New Zealand Toy Distributors Association
- Office of Fair Trading, Qld
- Queensland Health
- Safekids Aotearoa, New Zealand
- Sydney Children's Hospitals Network

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-018, Safety of Children's Toys, to supersede AS 8124.4—2003, *Safety of toys, Part 4: Experimental sets for chemistry and related activities*.

The objective of this Standard is to specify requirements for the maximum amount and, in some cases, the maximum concentration of certain substances and mixtures used in experimental sets for chemistry and related activities.

These substances and mixtures are —

- (a) those classified as dangerous by the Globally Harmonized System of Classification and Labelling of Chemicals (GHS);
- (b) substances and mixtures which in excessive amounts could harm the health of the children using them and which are not classified as dangerous by the GHS; and
- (c) any other chemical substance(s) and mixture(s) delivered with the experimental set.

This Standard applies to experimental sets for chemistry and related activities, including crystal-growing sets, carbon-dioxide-generating experimental sets and supplementary sets. It also covers sets for chemical experiments within the fields of mineralogy, biology, physics, microscopy and environmental science, whenever they contain one or more chemical substances and/or mixtures which are classified as hazardous according to the GHS.

This Standard also specifies requirements for marking, a contents list, instructions for use, eye protection and the equipment intended for carrying out the experiments.

This Standard is an adoption with national modifications, and has been reproduced from, ISO 8124-10:2019, *Safety of Toys, Part 10: Experimental sets for chemistry and related activities*. The modifications are additional requirements and are set out in [Appendix ZZ](#), which has been added at the end of the source text.

[Appendix ZZ](#) lists the variations to ISO 8124-10:2019 for the application of this Standard in Australia and New Zealand.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

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The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.