

AS/NZS ISO 8124.5:2020
ISO 8124-11:2019



Australian/New Zealand Standard™

Safety of toys

Part 5: Chemical toys (sets) other than experimental sets



AS/NZS ISO 8124.5:2020

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee CS-018, Safety of Children's Toys. It was approved on behalf of the Council of Standards Australia on 18 August 2020 and by the New Zealand Standards Approval Board on 10 June 2020.

This Standard was published on 11 September 2020.

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 Acoustic Laboratories
- National Retail Association Australia
- New Zealand Toy Distributors Association
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- Queensland Health
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This Standard was issued in draft form for comment as DR AS/NZS ISO 8124.5:2020.

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ISBN 978 1 76072 974 5

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Originated as AS 8124.5—2003.
Jointly revised and redesignated as AS/NZS ISO 8124.5:2020.

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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 8124.5—2003, *Safety of toys, Part 5: Chemical toys (sets) other than experimental sets*.

The objective of this Standard is to specify requirements and test methods for the substances and materials used in chemical toys (sets) other than experimental sets. 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 chemical toy.

Additionally, requirements are specified for markings, warnings, safety rules, contents lists, instructions for use and first aid information.

This Standard applies to —

- (i) plaster of Paris (gypsum) moulding sets;
- (ii) oven-hardening plasticised PVC modelling clay sets;
- (iii) polystyrene granules sets;
- (iv) embedding sets; and
- (v) adhesives, paints, lacquers, varnishes, thinners and cleaning agents (solvents) supplied or recommended in model sets.

This Standard is identical with, and has been reproduced from, ISO 8124-11:2019, *Safety of toys — Part 11: Chemical toys (sets) other than experimental sets*.

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

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

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.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 181, *Safety of toys*.

A list of all parts in the ISO 8124 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is intended to reduce the risks and health hazards to children when chemical toys are used as intended or in a foreseeable way, bearing in mind the behaviour of children.

When using these chemical toys, potential risks should be kept to a minimum by the inclusion of appropriate information drawing attention to possible hazards, risks and other problems.

The Chemical Abstract Service Registry Numbers (CAS) and European Inventory of Existing Chemical Substances Numbers (EINECS) given in various tables are provided for information purposes only.

Products covered by this document may be subject to legal requirements specific to the jurisdiction in which they are sold and conformity with the requirements in this document cannot be relied on to ensure compliance with those requirements.

NOTES

Australian/New Zealand Standard

Safety of toys

Part 5: Chemical toys (sets) other than experimental sets

1 Scope

This document specifies requirements and test methods for the substances and materials used in chemical toys (sets) other than experimental sets. These substances and mixtures are:

- those classified as dangerous by the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)^[1];
- 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
- any other chemical substance(s) and mixture(s) delivered with the chemical toy.

Additionally, requirements are specified for markings, warnings, safety rules, contents lists, instructions for use and first aid information.

This document applies to:

- plaster of Paris (gypsum) moulding sets;
- oven-hardening plasticised PVC modelling clay sets;
- polystyrene granules sets;
- embedding sets;
- adhesives, paints, lacquers, varnishes, thinners and cleaning agents (solvents) supplied or recommended in model sets.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3104, *Petroleum products — Transparent and opaque liquids — Determination of kinematic viscosity and calculation of dynamic viscosity*

ISO 3219, *Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear rate*

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 22854, *Liquid petroleum products — Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel — Multidimensional gas chromatography method*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>