

AS 2243.2:2021
Safety in laboratories
Part 2: Chemical aspects and storage
Amendment No. 1
Revised text amendment

Publishing and Approval Dates

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Summary

This Amendment applies to the following elements:

- Clauses 1.3, 1.4, 7.2, 7.3.2, 7.3.3.2, 8.1, 8.2.2, 8.4.1, 8.5.1, 8.5.3
- Tables 2, 3

Amendment details

AS 2243.2:2021 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Cl 1.3	After "EN 14470 (all parts), <i>Fire safety storage cabinets</i> ", <i>add</i> the following: NZS 5433, <i>Transport of dangerous goods on land</i>
Cl 1.4	<i>Delete</i> entry 1.4.33 and <i>replace</i> with the following: 1.4.33 packing group PG series of three hazard groups into which dangerous goods (of classes other than Classes 1, 2, 6.2 and 7) are designated in the ADG and NZS 5433, in decreasing order of hazard, by the roman numerals "I" (high danger), "II" (medium danger) and "III" (low danger). Note 1 to entry: A list of dangerous goods for which packing groups have already been assigned is given in the ADG Code or NZS 5433.
Cl 7.2	Second paragraph, <i>delete</i> "Clause 5.6" and <i>replace</i> with "Clause 7.5".
Cl 7.3.2	<i>Delete</i> clause title and <i>replace</i> with the following: Maximum quantities of hazardous chemicals in storage within a laboratory other than in chemical storage cabinets
Tbl 2 (new)	After Clause 7.3.2, <i>add</i> the following:

Table 2 — Quantities of hazardous chemicals/dangerous goods permitted to be stored in a laboratory other than in a chemical storage cabinet

Type of substance or class of dangerous goods	Maximum per 50 m ²	Maximum pack size	Conditions for storage	Alternative storage options
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Table 2 (continued)

Class 3 primary or sub-risk	10 L	5 L	Labelled standard laboratory cupboard or in small amounts throughout the laboratory	AS 1940
Combustible liquids	50 L	20 L	Labelled standard laboratory cupboard or in small amounts throughout the laboratory	AS 1940
Classes 4.1, 4.2, 4.3, 5.1 or 5.2 ^a	20 kg or L but less than 10 kg or L of any one class	10 kg or L	Labelled standard laboratory cupboard or, for Classes 4.1, 4.3 and 5.1, in small amounts throughout the laboratory	AS 2714 AS 4326 AS/NZS 5026
Class 6.1	PG I 10 kg or L ^b Other 50 kg or L	PG I 10 kg or L ^b Other 20 kg or L	Labelled standard laboratory cupboard or in small amounts throughout the laboratory	AS/NZS 4452
Class 8	20 L for liquids 50 kg for solids	20 kg or L	Labelled standard laboratory cupboard or in small amounts throughout the laboratory	AS 3780
Class 9 and aerosols	50 L for liquids 100 kg for solids	5 L for liquids 20 kg for solids	Labelled standard laboratory cupboard or in small amounts throughout the laboratory	AS/NZS 4681
Maximum aggregate quantity	200 kg or L	—	—	—
Hazardous chemicals	—	5 L for liquids 20 kg for solids	Labelled standard laboratory cupboard or in small amounts throughout the laboratory	—

^a The quantities for Class 5.1 stated in this table are the total amount of active ingredient present, rather than the actual volume or mass to allow for the very wide differences between concentrations of active ingredient in peroxides and hypochlorites that are commonly used in laboratories.

^b For the definition of packing group (PG), see Clause 1.4.

NOTE Clause 1.3 contains a list of Standards for various chemical groups and classes of dangerous goods that may need to be consulted.