

Australian Standard[®]

General fumigation procedures



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The following are represented on Committee CH-005:

- Aerosol Association of Australia
 - Australian Environmental Pest Manager's Association
 - Australian Pesticides and Veterinary Medicines Authority
 - Department of Primary Industries and Fisheries, Queensland
 - CSIRO
-

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General fumigation procedures

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PREFACE

This Standard was prepared by the Standards Australia Committee CH-005, Pesticides, to supersede AS 2476—1981.

The Standard refers to general principles of fumigation based on good commercial practice leading to safe and economical use of fumigants and control of the infesting organism. Detailed safety instructions are given by fumigant manufacturers and suppliers, and there may also be relevant codes of practice published by the National Health and Medical Research Council and the various publications of departments such as state departments of agriculture or health.

It should be noted that fumigant chemicals, while invariably toxic and requiring considerable care in application, are also chemically reactive and in some cases may affect the end use properties of the materials being fumigated. Materials known to be affected by fumigants should not be exposed to those fumigants.

Incorrect use of fumigants may adversely affect the environment or their continuing efficacy against specific pests, and so need to be used in accordance with the manufacturer's label.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out general procedures and precautions to be used when chemical fumigation for the eradication of pests is being carried out in an enclosure. This Standard includes fumigations applied using a single dose, staged or continuous release of fumigant. This Standard does not include requirements for in-transit fumigation and soil fumigation.

1.2 APPLICATION

This Standard recommends the general principles for the use of gases for the fumigation of buildings, enclosures such as watercraft, aircraft, freight containers, silos and dedicated fumigation structures, and materials under sheeting. It includes fumigations carried out on farms for agricultural purposes (such as silos, grain bins, rabbit burrows etc). This Standard should be used in conjunction with any current code of practice or State requirements applicable to the particular fumigation being carried out, where this is available.

1.3 REFERENCED DOCUMENTS

AS

- 1216 Class labels for dangerous goods
- 1319 Safety signs for the occupational environment

AS/NZS

- 1715 Selection, use and maintenance of respiratory protective devices
- 1716 Respiratory protective devices
- 1891 Industrial fall-arrest systems and devices
- 1891.1 Part 1: Harnesses and ancillary equipment
- 2161 Occupational protective gloves (Series)
- 2865 Safe working in a confined space
- 3000 Electrical installations (known as the Australian/New Zealand Wiring Rules)
- 4332 The storage and handling of gases in cylinders
- 4360 Risk management
- 4452 The storage and handling of toxic substances
- 60079 Explosive atmospheres
- 60079.11 Part 11: Equipment protection by intrinsic safety 'i'
- HB 436 Risk management guidelines—Companion to AS/NZS 4360:2004

NOTE: Further guidance documents are listed in Appendix F.