

Australian/New Zealand Standard™

Classification of hazardous areas

Part 3.9: Examples of area classification—Miscellaneous

AS/NZS 2430.3.9:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MS-011, Classification of Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 31 March 2004 and on behalf of the Council of Standards New Zealand on 30 April 2004. It was published on 20 May 2004.

The following are represented on Committee MS-011:

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Australian Association of Certification Bodies
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Originated in Australia as part of AS 1076.2—1977.
Originated in New Zealand as part of NZS 6101P:1972.
Previous edition AS/NZS 2430.3.9:1997.
Second edition 2004.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 5976 9

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MS-011, Classification of Hazardous Areas, to supersede AS/NZS 2430.3.9:1997, *Classification of hazardous areas, Part 3.9: Examples of area classification—Miscellaneous*.

The objective of the AS/NZS 2430.3 series of Standards is to provide guidance to the industries and statutory authorities concerned with the classification of hazardous areas.

Changes to the 1997 edition include—

- (a) incorporation of the two issued amendments;
- (b) correction of typographical errors;
- (c) alteration of the symbols for hazardous areas zones (to align with AS/NZS 60079.10); and
- (d) update of referenced documents.

This series of Standards details examples of area classification of commonly occurring situations, based on the principles of AS/NZS 60079.10, *Electrical apparatus for explosive gas atmospheres, Part 10: Classification of hazardous areas*.

The AS/NZS 2430.3 series is as follows:

AS/NZS

2430.3	Classification of hazardous areas—Examples of area classification
2430.3.1	Part 3.1: General
2430.3.2	Part 3.2: Vehicle workshops, vehicle parking, fuel dispensing stations and aircraft hangars
2430.3.3	Part 3.3: Flammable liquids
2430.3.4	Part 3.4: Flammable gases
2430.3.5	Part 3.5: Refineries and major processing plants
2430.3.6	Part 3.6: Laboratories including fume cupboards and flammable medical agents
2430.3.7	Part 3.7: Landfill gas, sewage treatment and sewage pumping plants
2430.3.8	Part 3.8: Surface coatings and adhesives
2430.3.9	Part 3.9: Miscellaneous (this Part)

The AS 2430 series of Standards for classification of hazardous areas used to be formed by AS 2430.1, AS 2430.2 and AS 2430.3.

AS 2430.2 was replaced by AS/NZS 61241.3 in 1999 and AS 2430.1 was replaced by AS/NZS 60079.10 in 2004.

In 1997, AS 2430.3 was split into a Series of nine Parts – 3.1 to 3.9; these initial nine Parts have been superseded by this 2004 edition.

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**Australian/New Zealand Standard
Classification of hazardous areas****Part 3.9: Examples of area classification—Miscellaneous****1 SCOPE**

This Standard provides examples of area classification for areas associated with specialised processes other than those covered by Parts 3.2 to 3.8 of AS/NZS 2430.3. It is part of the AS/NZS 2430.3 series, which recommends the classification of several commonly occurring situations and should be read in conjunction with AS/NZS 2430.3.1.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- 1482 Electrical equipment for explosive atmospheres—Protection by ventilation—
Type of protection v
3754 Safe application of powder coatings by electrostatic spraying

AS/NZS

- 1668 The use of ventilation and airconditioning in buildings
1677 Refrigerating systems
2430.3 Classification of hazardous areas— Examples of area classification
2430.3.1 Part 3.1: General
4114 Spray painting booths, designated spray painting areas and paint mixing
rooms
4114.1 Part 1: Design, construction and testing
61241 Electrical apparatus for use in the presence of combustible dust
61241.3 Part 3: Classification of areas where combustible dusts are or may be present
60079 Electrical apparatus for explosive gas atmospheres
60079.10 Part 10: Classification of hazardous areas
NZ Hazardous Substances and New Organisms (HSNO) Act

3 DEFINITIONS

For the purposes of this Standard the definitions in AS/NZS 60079.10 and AS/NZS 2430.3.1 apply. Adequately and inadequately ventilated areas/locations are detailed in AS/NZS 2430.3.1, Appendix B.

4 FINISHING PROCESSES**4.1 Scope**

This Clause includes areas where paints, lacquers or other flammable finishes in excess of the quantities required for spotting operations (see Clause 4.2.2(c)) are regularly or frequently applied by spraying, dipping, brushing or by other means, where volatile flammable liquids are used, or where readily ignitable deposits or residues from such paints, lacquers or finishes may occur.