

Australian/New Zealand Standard™

Classification of hazardous areas

Part 3.8: Examples of area classification—Surface coatings and adhesives

AS/NZS 2430.3.8:2004

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
Australian Chamber of Commerce and Industry
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MS-011, Classification of Hazardous Areas, to supersede AS/NZS 2430.3.8:1997, *Classification of hazardous areas, Part 3.8: Examples of area classifications—Surface coatings and adhesives*.

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) rewording of Clause 4.2.8 *Laboratories* (to align with the respective clause in Part 3.6);
- (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 (this Part)
2430.3.9	Part 3.9: Miscellaneous

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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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
Classification of hazardous areas

Part 3.8: Examples of area classification—Surface coatings and adhesives

1 SCOPE

This Standard provides examples of area classification for areas associated with the manufacture, storage, handling, testing and sale of surface coatings and adhesives classified as manufactured product and as flammable material in the ADG Code or, in New Zealand, the Hazardous Substances and New Organisms (HSNO) Act.

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

1940 The storage and handling of flammable and combustible liquids

2809 Road tank vehicles for dangerous goods

AS/NZS

2430 Classification of hazardous areas— Examples of area classification

2430.3.1 Part 3.1: General

2430.3.3 Part 3.3: Flammable liquids

2430.3.6 Part 3.6: Laboratories including fume cupboards and flammable medical agents

60079 Electrical apparatus for explosive gas atmospheres

60079.10 Part 10: Classification of hazardous areas

ADG Australian Code for the Transport of Dangerous Goods by Road and Rail

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 SURFACE COATINGS AND ADHESIVES**4.1 Scope**

The classifications given in Clause 4.2 apply to situations where the quantity of flammable materials is greater than that defined as minor storage in AS 1940.

NOTE: Under some circumstances, particularly in confined spaces, caution should also be taken with small quantities of flammable liquids as these may give rise to hazardous areas.