

Australian Standard™

Safety of machinery

Part 1302: Risk assessment—Reduction of risks to health and safety from hazardous substances emitted by machinery—Principles and specifications for machinery manufacturers

STANDARDS
Australia



This Australian Standard was prepared by Committee SF-041, General Principles for the Guarding of Machinery. It was approved on behalf of the Council of Standards Australia on 11 April 2006.
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Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Department for Administration and Information Services, SA
Department of Consumer and Employment Protection, WorkSafe Division, WA
Department of Primary Industries, Mine Safety, NSW
Engineers Australia
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PREFACE

This Standard was prepared by the Standards Australia Committee SF-041, General Principles for the Guarding of Machinery as a revision, in part, of AS 4024.1, *Safeguarding of machinery*, Part 1: *General principles*.

The purpose of this Standard is to provide guidance to designers when machines are identified as having hazardous substances as a significant risk.

During its work, the Committee considered a number of Standards originating within the European Community in the field of safety of machinery. Many of these European Standards are being adopted virtually unchanged as International Standards by the International Organization for Standardization (ISO) and the Committee has agreed to continue to use material emanating from both CEN and ISO in this new edition. This action will maintain consistency with previous editions of AS 4024.1 and other machine-specific Australian Standards.

This edition has been published as a series of Parts rather than the single Standard previously published as AS 4024.1. In doing this, the Committee has cleared the way for simple revisions in the future. When a new edition of a relevant Standard becomes available at the international level, it will be adopted and published within the framework of AS 4024 with a minimum delay, so ensuring continued international alignment.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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1 SCOPE

This Standard deals with the principles for controlling risks to health due to the emission of hazardous substances from machinery. This Standard is not applicable to hazardous substances which are a hazard to health solely because of explosive, flammable, high or low temperature, high or low pressure or radioactive properties.

2 OBJECTIVE

The objective of this Standard is to enable designers, manufacturers, suppliers, employers and users of machinery to minimize the risks to the health and safety of employees and others working with or otherwise near machinery by providing them with principles and specifications for reducing risks associated with the emission of hazardous substances from machines.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

AS

- 4024 Safety of machinery
- 4024.1201 Part 1201: General principles—Basic terminology and methodology
- 4024.1301 Part 1301: Risk assessment—Principles for risk assessment

NOHSC

- 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment—Database

4 DEFINITIONS

For the purpose of this Standard, the following definitions apply.

4.1 Hazardous substance

Any chemical or biological agent which is hazardous to health, e.g. substance or preparations classified as—

- (a) very toxic;
- (b) toxic;
- (c) harmful;
- (d) corrosive;
- (e) irritant;
- (f) sensitizing;
- (g) carcinogenic;