

Australian Standard[®]

**Flammable and combustible liquids—
Precautions against electrostatic
ignition during tank vehicle loading**

STANDARDS
Australia



This Australian Standard® was prepared by Committee ME-017, Flammable and Combustible Liquids. It was approved on behalf of the Council of Standards Australia on 24 April 2008.

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- Agsafe
 - Australasian Fire Authorities Council
 - Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Australian Institute of Petroleum
 - Australian Paint Manufacturers Federation
 - Department of the Premier and Cabinet, SA
 - Department of Consumer and Employment Protection, WA
 - Department of Defence
 - Department of Emergency Services, Qld
 - Department of Justice, Tas.
 - Fire Protection Association of Australia
 - Insurance Council of Australia
 - Plastics and Chemicals Industries Association
 - Victorian WorkCover Authority
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PREFACE

This Standard was prepared by Standards Australia Committee ME-017, Flammable and Combustible Liquids, as a Code of Practice that provides precautions that are intended to reduce the risk of electrostatic ignition during the loading of flammable and combustible liquids into road tank vehicles. It is based on the Australian Institute of Petroleum (AIP) CP 8—2000, *Code of Practice—Precautions against electrostatic ignition during tank vehicle loading*, which has been withdrawn by AIP.

This Standard is intended to provide minimum precautions against electrostatic ignition during tank vehicle loading. It is not intended to replace any statutory regulations in any area, which take precedence over the requirements of this Standard. The relevant regulatory authority having jurisdiction may determine the extent of application of this Standard.

Individual companies may have additional or special policies and requirements that exceed or vary the requirements set out in this Standard. In such situations, such companies also need to be consulted.

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STANDARDS AUSTRALIA

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Flammable and combustible liquids—Precautions against electrostatic ignition during tank vehicle loading

SECTION 1 SCOPE AND APPLICATION

1.1 SCOPE

This Standard sets out precautions to be taken against electrostatic ignition during the loading of tank vehicles with flammable or combustible liquids.

1.2 APPLICATION

This Standard applies to the loading of tank vehicles with Class 3 flammable liquids of Packing Groups II and III, and combustible liquids. It deals specifically with safeguards against electrostatic ignition, but does not cover the full range of safety precautions that apply to tank vehicle loading.

This Standard does not supersede or replace any applicable statutory regulations, which take precedence at all times.

1.3 REFERENCED DOCUMENTS

A list of referenced documents is given in Appendix A.

1.4 DEFINITIONS

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

1.4.1 Charge collectors

Unbonded floating conductive objects or pointed projections (bonded or unbonded).

1.4.2 Class 3 flammable liquids**1.4.2.1 Packing Group II (PG II)**

A flammable liquid with a flashpoint below 23°C.

1.4.2.2 Packing Group III (PG III)

A flammable liquid with a flashpoint between 23°C and 60°C.

1.4.3 Combustible liquids**1.4.3.1 C1 combustible liquid**

A combustible liquid with a flashpoint between 60°C and 150°C.

1.4.3.2 C2 combustible liquid

A combustible liquid with a flashpoint greater than 150°C.

1.4.4 Contaminated product

A product that—

- (a) contains 0.5% (by volume) or more of free water;
- (b) contains 10 mg/L or more of particulate matter or dirt;