

Australian Standard™

## **Road tank vehicles for dangerous goods**

### **Part 5: Tankers for bitumen-based products**



**S t a n d a r d s** Australia

This Australian Standard was prepared by Committee ME-057, Road Tanker for Hazardous Liquids and Gases. It was approved on behalf of the Council of Standards Australia on 14 August 2001 and published on 8 October 2001.

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The following interests are represented on Committee ME-057:

Australasian Fire Authorities Council  
Australian Chamber of Commerce and Industry  
Australian Gas Association  
Australian Industrial Gas Manufacturers Association  
Australian Industry Group  
Australian Institute of Petroleum  
Australian Liquefied Petroleum Gas Association  
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AS 2809.5—2001

Australian Standard™

## **Road tank vehicles for dangerous goods**

### **Part 5: Tankers for bitumen-based products**

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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-057, Road Tankers for Hazardous Liquids and Gases to supersede AS 2809.5 — 1990.

While certain grades of bitumen-based products are flammable liquids, and AS 2809.2, *Road tank vehicles for dangerous goods*, Part 2: *Tankers for flammable liquids*, was intended to cover all types of flammable liquids, there are certain peculiarities of bitumen that necessitated special treatment, not the least of these being the complex and variable method of operation of the industry.

In field and operational matters, it is recommended that reference be made to the procedural guidelines in the 'Austroads Bitumen Sealing Safety Guide'.

Amongst other aspects requiring special consideration are the tank design requirements, which differ substantially from other flammable liquids tankers. Bulkheads are not used, and the options for construction material are fewer, so the table of shell thickness has been simplified. It seems possible to simplify it further as more thought is given to the special case of bitumen. A complex relationship between longitudinal and circumferential stiffeners has been dropped.

A new appendix has been added in this revision to expand the details of burners and controls. These details would cover the necessary safety issues should permission be given by the appropriate authority to allow heating in transit.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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