

# DfT Dangerous goods guidance note 11

## DfT Dangerous goods guidance note 11: Dangerous goods in machinery or equipment - measures to prevent leakage

*NOTE: This Guidance Note is only intended to give helpful advice. It should not be interpreted as a substitute for reading the Regulations.*

### Background

1. Regulation 3(6) of the Carriage Regulations<sup>1</sup> applies the RID and ADR exemptions of section 1.1.3 to domestic carriage. Sub-section 1.1.3.1(b) exempts -

*"the carriage of machinery or equipment not specified in this Annex and which happen to contain dangerous goods in their internal or operational equipment, provided that measures have been taken to prevent any leakage of contents in normal conditions of carriage;"*

### Measures to prevent leakage

2. This exemption covers a wide range of machinery, some of which may only be moved very occasionally. The following guidance on measures to prevent leakage also includes a number of mandatory requirements from the Management of Health and Safety at Work Regulations 1999 (MHSWR).

### Risk assessment

3. Regulation 3 of the MHSWR requires all work activities to be risk assessed. The assessment should be suitable and sufficient and be carried out by a competent person who has an understanding of the issues. See HSE guidance leaflet INDG163(Rev1) [www.hse.gov.uk/pubns/indg163.pdf](http://www.hse.gov.uk/pubns/indg163.pdf)

### Design of machinery and equipment

4. The machinery and equipment should be robust enough to hold dangerous goods during the normal conditions of carriage. The manufacturer should be able to provide advice.

### Quantity of dangerous goods

5. Keep the quantity of dangerous goods as low as practicable.

### Preventing leaks

6. All openings, with the exception of pressure relief devices (if fitted), should be properly closed and secured to prevent opening and leakage during carriage.

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<sup>1</sup> The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2004 as amended. SI 2004/568 + SI 2005/1732

## **Loading**

7. Ensure the transport unit is appropriate for the carriage, and that the machinery and equipment are properly loaded and secured during carriage. For example, the fixing of the load in cradles, crates or handling devices to the vehicle or container should be in such a way that it will not become loose or shift during normal conditions of carriage.

## **Displaying information**

8. If the quantity of dangerous goods exceeds the threshold in 1.1.3.6, consider displaying appropriate hazard warning information on the transport unit e.g. blank orange-coloured panels on the front and rear of the transport unit.

## **Information and training for the vehicle crew**

9. In accordance with regulations 10 and 13 of MHSWR, ensure the vehicle crew, loaders and unloaders receive appropriate information and training on handling the dangerous goods, machinery and equipment. The information should include "preventative and protective measures".

## **Where can I obtain further information?**

Text of the Carriage Regulations 2004:

[www.opsi.gov.uk/si/si2004/20040568.htm](http://www.opsi.gov.uk/si/si2004/20040568.htm)

Text of the 2005 amendments to Carriage Regulations:

[www.opsi.gov.uk/si/si2004/20040568.htm](http://www.opsi.gov.uk/si/si2004/20040568.htm)

Text of 2005 ADR:

[www.unece.org/trans/danger/publi/adr/adr2005/05ContentsE.html](http://www.unece.org/trans/danger/publi/adr/adr2005/05ContentsE.html)

"Working with ADR" booklet available on the 'Dangerous Goods transport' pages of DfT's website:

[www.dft.gov.uk/stellent/groups/dft\\_transsec/documents/downloadable/dft\\_transsec\\_029427.pdf](http://www.dft.gov.uk/stellent/groups/dft_transsec/documents/downloadable/dft_transsec_029427.pdf)

Enquiry email address: [dangerousgoods@dft.gsi.gov.uk](mailto:dangerousgoods@dft.gsi.gov.uk)(preferred contact)

Enquiry telephone: 020 7944 2755

Enquiry fax: 020 7944 2039

Health and Safety Executive: [www.hse.gov.uk/cdg](http://www.hse.gov.uk/cdg)

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