



Department  
for Transport

## MULTILATERAL AGREEMENT M345

Under paragraph 1.5.1 of ADR, concerning the transport of UN 2672 ammonia solution in IBCs with a vapour pressure of more than 110 kPa (1.1 bar) at 50°C or 130 kPa (1.3 bar) at 55°C

1. By derogation from the requirements of the last paragraph of section 4.1.1.10 prohibiting the use of IBCs with a vapour pressure of more than 110 kPa (1.1 bar) at 50°C or 130 kPa (1.3 bar) at 55°C, UN 2672 ammonia solution with up to but not more than 35% ammonia may be carried in any IBC type permitted in packing instruction IBC03 provided that the IBC has been design type tested according to 6.5.6.8 at least to the pressure required for the concentration of ammonia being carried.
2. Rigid plastics and composite IBC's which have not been pressure tested according to 6.5.6.8.4.2 for ammonia solutions in excess of 20% up to but not more than 35% ammonia, may be used until 31 July 2022 for ammonia solutions in excess of 20% and not more than 35% ammonia.
3. By derogation from 6.5.5.1.7 regarding pressure relief requirements, metal IBC's used for the carriage of ammonia solution with up to but not more than 35% ammonia which have passed the pressure tests required in 6.5.6.8.4.1 need not be fitted with vents during carriage.
4. The consignor shall enter in the transport document: "Carriage agreed under the terms of section 1.5.1 of ADR (M345)" and shall also indicate the concentration of the ammonia solution carried.
5. This agreement shall be valid until 31 January 2027 for the carriage on the territories of those ADR Contracting Parties signatory to this agreement. If it is revoked before then by one of the signatories, it shall remain valid until the above-mentioned date only for carriage on the territories of those ADR Contracting Parties signatory to this agreement which have not revoked it.

**Done in London on 31/01/2022**

**The competent authority for ADR in the United Kingdom**

**Helen North**

**Head of Frameworks and Engagement, Dangerous Goods  
Department for Transport  
UNITED KINGDOM**



Department  
for Transport

Department for Transport  
Dangerous Goods  
Road Freight Regulation  
Great Minster House  
33 Horseferry Road  
London SW1P 4DR  
United Kingdom

Date: 27/01/2022

ADR Contracting Party

Dear ADR Contracting Party,

**Multilateral Agreement M345  
Concerning the transport of UN 2672 ammonia solution in IBCs with a vapour  
pressure of more than 110 kPa (1.1 bar) at 50°C or 130 kPa (1.3 bar) at 50°C**

There is a continuing need for the carriage of ammonia solutions with a concentration greater than 20% but not more than 35% in IBC's where the vapour pressure at 50°C is in excess of the limit of 110 kPa set out in paragraph 4.1.1.10.

In the UK an IBC has been successfully tested and passed UN testing according to 6.5.6.8 at the pressure required for concentrations of ammonia solution at 35%, however, a new multilateral agreement for the carriage of ammonia solution is still necessary as there are consequential amendments necessary to ADR which would permit the use of appropriately tested IBCs. This MLA will allow the necessary time for consideration of these amendments to ADR.

The Government of the United Kingdom proposes a new multilateral agreement which permits the use of any IBC already permitted under IBC03 for the carriage of ammonia solution in concentrations up to 35%, as long as that IBC has passed the design type tests according to 6.5.6.8 appropriate for the concentration of ammonia being carried.

The MLA will additionally provide a further short extension for the continued use of composite IBC's for a period of six months which do not meet the testing requirements of 6.5.6.8.4.2, to allow industry time in which to undertake the necessary testing or source packaging which has passed the appropriate tests.

The MLA will also specify that where metal IBC's are used for ammonia solutions in concentrations up to 35%, vents need not be fitted during carriage.

The United Kingdom has signed Multilateral Agreement M345 (attached). If you agree to the conditions of this agreement please counter-sign and notify the UNECE Secretariat.

Yours faithfully

Helen North  
Head of Frameworks and Engagement  
Dangerous Goods