

## Multilateral Special Agreement RID 3/2011

according to section 1.5.1 of RID  
on the carriage of chemicals under pressure

- (1) By derogation from the provisions of chapter 3.2 and section 4.1.4.1 of RID, packaged chemicals under pressure (liquids, pastes or powders, pressurized with a propellant, which meet the definition of a gas in 2.2.2.1.1 and 2.2.2.1.2 No. 1 or 2) and not meeting the definition of an aerosol, may be carried provided that the following requirements are met:
- (2) The chemicals under pressure are assigned to one of the following UN numbers:

UN No	Name and description	Class	Packing group	Labels	Special provisions	Limited quantities	Excepted quantities	Packing instruction	Special packing provisions	Mixed packaging	Transport category	Loading, unloading and handling
		2.2	2.1.1.3	5.2.2	3.3	3.4.6	3.5.1.2	4.1.4	4.1.4	4.1.10	1.1.3.1 c)	7.5.11
3500	CHEMICAL UNDER PRESSURE, N.O.S.	2		2.2	274	0	E0	P2XX		MP9	3	CW9 CW10 CW12 CW36
3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.	2		2.1	274	0	E0	P2XX	PP89	MP9	2	CW9 CW10 CW12 CW36
3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.	2		2.2 +6.1	274	0	E0	P2XX	PP89	MP9	1	CW9 CW10 CW12 CW28 CW36
3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.	2		2.2 +8	274	0	E0	P2XX	PP89	MP9	1	CW9 CW10 CW12 CW36
3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.	2		2.1 + 6.1	274	0	E0	P2XX	PP89	MP9	1	CW9 CW10 CW12 CW28 CW36
3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.	2		2.1 +8	274	0	E0	P2XX	PP89	MP9	1	CW9 CW10 CW12 CW36

- (3) The chemicals under pressure shall be assigned to these entries in compliance with the following requirements:
- (a) The chemical under pressure shall be classified based on the hazard properties of the components in the different states:
- The propellant;

- The liquid; or
- The solid.

If one of these components, which can be a pure substance or a mixture, needs to be classified as flammable, the chemical under pressure shall be classified as flammable gas. Flammable components are flammable liquids and liquid mixtures, flammable solids and solid mixtures or flammable gases and gas mixtures meeting the following criteria:

- (i) A flammable liquid is a liquid having a flashpoint of not more than 93°C;
  - (ii) A flammable solid is a solid which meets the criteria in 2.2.41.1.3 to 2.2.41.1.8;
  - (iii) A flammable gas is a gas which meets the criteria for flammable gases in 2.2.2.1.5;
- (b) Toxic gases and gases with a subsidiary risk of 5.1 shall not be used as a propellant in a chemical under pressure;
  - (c) Where the liquid or solid components are classified as dangerous goods of Class 6.1, packing groups II or III, or Class 8, packing groups II or III, the chemical under pressure shall be assigned a subsidiary risk of Class 6.1 or Class 8 and the appropriate UN number shall be assigned. Components classified in Class 6.1, packing group I, or Class 8, packing group I, shall not be used for carriage under this proper shipping name;
  - (d) In addition, chemicals under pressure with components meeting the properties of Class 1, explosives; Class 3, liquid desensitized explosives; Class 4.1, self-reactive substances and solid desensitized explosives; Class 4.2, substances liable to spontaneous combustion; Class 4.3, substances which, in contact with water, emit flammable gases; Class 5.1 oxidizing substances; Class 5.2, organic peroxides; Class 6.2, infectious substances or Class 7, radioactive material, shall not be used for carriage under this proper shipping name;
  - (e) Substances to which PP 86 or TP 7 are assigned and therefore require air to be eliminated from the vapour space, shall not be used for carriage under this UN number but shall be carried under their respective UN numbers as listed in Chapter 3.2, Table A.
- (4) They shall be packed in accordance with the following packing instruction:

P2XX	PACKING INSTRUCTION	P2XX
This instruction applies to UN Nos. 3500, 3501, 3502, 3503, 3504 and 3505.		
Unless otherwise indicated in RID, cylinders and pressure drums conforming to the applicable requirements of Chapter 6.2 are authorized.		
(1) The special packing provisions of 4.1.6.1, 4.1.6.2 and 4.1.6.4 to 4.1.6.13 shall be met.		
(2) The maximum test period for periodic inspection shall be 5 years.		
(3) Cylinders and pressure drums shall be so filled that at 50°C the non-gaseous phase does not exceed 95% of their water capacity and they are not completely filled at 60°C. When filled, the internal pressure at 65°C shall not exceed the test pressure of the cylinders and pressure drums. The vapour pressures and volumetric expansion of all substances in the cylinders and pressure drums shall be taken into account.		
(4) The minimum test pressure shall be in accordance with packing instruction P 200 for the propellant but shall not be less than 20 bar.		

**Additional requirement:**

Cylinders and pressure drums shall not be offered for transport when connected with spray application equipment such as a hose and wand assembly.

**Special packing provision:**

**PP 89** For UN 3501, 3502, 3503, 3504 and 3505, notwithstanding 4.1.6.9 (b), non-refillable cylinders used may have a water capacity in litres not exceeding 1000 litres divided by the test pressure expressed in bars provided capacity and pressure restrictions of the construction standard comply with ISO 11118:1999, which limits the maximum capacity to 50 litres.

(5) In addition to the prescribed details, the consignor shall note in the transport document:

"Carriage agreed according to section 1.5.1 of RID (RID 3/2011)".

(6) This agreement shall be valid until 31 December 2012 for carriage on the territories of those RID Contracting States 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 RID Contracting States signatory to this agreement which have not revoked it.

Bonn, 25 January 2011

For the competent authority for RID  
in the Federal Republic of Germany

For the Ministry of Transport,  
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