

**Ordinance on the Transport of Dangerous Goods by Road, Rail and Inland  
Waterways (GGVSEB)<sup>1)</sup>  
of 17 June 2009 (Federal Law Gazette I, p. 1389),  
as amended by Article 1 of the 5<sup>th</sup> Ordinance  
of 3 August 2010 (Federal Law Gazette I p. 1139) amending ordinances on the  
transport of dangerous goods  
last amended by the 1st Ordinance amending the Ordinance on the Transport  
of Dangerous Goods by Roads, Rail and Inland Waterways  
of 4. March 2011 (Federal Law Gazette i p. )**

List of competent authorities in Germany:

**Section 6  
Competencies of the Federal Ministry of Transport, Building and Urban  
Development**

The Federal Ministry of Transport, Building and Urban Development is the competent authority for:

1. the conclusion of agreements under section 1.5.1 of ADR/RID or agreements in accordance with section 1.5.1 of ADN and the notification of such agreements to UNECE/OTIF;
2. (deleted)
3. (deleted)

---

<sup>1</sup> This Ordinance serves to implement Commission Directive 2010/61/EU of 2 September 2010 adapting for the first time the Annexes to Directive 2008/68/EC of the European Parliament and of the Council on the inland transport of dangerous goods to scientific and technical progress (OJ EU No. L 233, p. 27).

4. the submission of a list of recognised technical codes under section 6.2.5 and sub-section 6.8.2.7 of ADR/RID;
  - a) to the UNECE secretariat, as regards carriage by road; and
  - b) to the OTIF secretariat, as regards carriage by rail;
5. the examination and evaluation of the reports on notifications of occurrences involving dangerous goods under sub-section 1.8.5.1 of ADR/RID/ADN, and, if necessary, their forwarding to the UNECE, OTIF or CCNR secretariat; and
6. the establishment of provisions concerning pressure vessels under paragraphs 9.3.1.23.1, 9.3.2.23.5, and 9.3.3.23.5 of ADN.

## **Section 7**

### **Competencies of the experts or agencies appointed by the Federal Ministry of Defence or by the Federal Ministry of the Interior**

(1) For the Federal Armed Forces and foreign armed forces, the experts or agencies appointed by the Federal Ministry of Defence are competent authorities as regards:

1. tasks in accordance with parts 8 and 9 of ADR;
2. the type approval as well as the inspections and tests of tanks under sub-sections 6.8.2.3 and 6.8.2.4 of ADR as well as the inspection and testing of IBCs under sub-section 6.5.4.4 of ADR;
3. the maintenance of a register under sub-section 1.10.1.6 of ADR of all valid training certificates for drivers; and
4. the routeing and the certificate under Section 35;

if so required for defence purposes.

(2) The experts or agencies appointed by the Federal Ministry of the Interior are competent authorities as regards:

1. tasks in accordance with parts 8 and 9 of ADR;
2. the type approval as well as the inspections and tests of tanks under sub-sections 6.8.2.3 and 6.8.2.4 of ADR as well as the inspection and testing of IBCs under sub-section 6.5.4.4 of ADR;
3. the maintenance of a register under sub-section 1.10.1.6 of ADR of all valid training certificates for drivers; and
4. the routeing and the certificate under Section 35;

if so required within the remit of the Federal Ministry of the Interior.

(3) The competency of the agencies appointed in accordance with paragraphs 1 and 2 above shall also apply for control activities under section 9 paragraphs 1 and 2 of the Carriage of Dangerous Goods Act on properties of the Federal Armed Forces or foreign armed forces. In the case of carriage of dangerous goods by road by the Federal Armed Forces or foreign armed forces, even if the Federal Armed Forces use civil enterprises, the agencies appointed in accordance with paragraph 1 above shall be authorized for controlling besides the competent authorities in accordance with Land law.

## **Section 8**

### **Competencies of the Federal Institute for Materials Research and Testing**

The Federal Institute for Materials Research and Testing is the competent authority as regards:

1. tasks in accordance with:
  - a) chapter 2.2 of ADR/RID/ADN with the exception of the competencies assigned to the Federal Office of Defense Technology and Procurement under Section 10 and to the Federal Office for Radiation Protection under Section 11;
  - b) chapter 3.3 of ADR/RID/ADN with the exception of the competencies assigned to the Federal Office of Defense Technology and Procurement under Section 10;
  - c) chapter 4.1 with the exception of packing instructions P 200, P 201, and P 203 in sub-section 4.1.4.1 of ADR/RID and the competencies assigned to the Federal Office of Defense Technology and Procurement under Section 10;
  - d) chapter 4.2 with the exception of sub-sections 4.2.1.8, 4.2.2.5, and 4.2.3.4 of ADR/RID;
  - e) chapter 4.3 as regards paragraph 4.3.3.2.5 of ADR/RID in agreement with the National Metrology Institute (PTB);
  - f) sub-sections 6.2.2.5 and 6.2.2.6 of ADR/RID;
  - g) chapter 6.7 with the exception of paragraph 6.7.2.19.6 sentence 3 (b) and paragraph 6.7.4.14.6 sentence 3 (b) of ADR/RID;
  - h) chapter 6.8 as regards inspections and tests, allocation of the mark and type approval of tank-containers and MEGCs, and the establishment of conditions in accordance with special provision TA 2 in section 6.8.4 (c) of ADR/RID;
  - i) chapter 6.9 of ADR/RID;

- j) chapter 6.11 of ADR/RID; and
- k) chapter 6.12 in conjunction with paragraph 7.5.5.2.3 and chapter 9.8 of ADR,

if the respective task has not been assigned to another agency;

2. the testing and approval of designs for special form radioactive material under paragraph 5.1.5.2.1 in conjunction with sub-section 6.4.22.5 sentence 1, the certificate under sub-section 6.4.22.6 (a), the approval of package designs for non-fissile or fissile exempted uranium hexafluoride under paragraph 5.1.5.2.1 in conjunction with sub-section 6.4.22.1, the certificate under sub-section 6.4.22.6 (a), the testing and approval of designs for low dispersible radioactive material under paragraph 5.1.5.2.1 in conjunction with sub-section 6.4.22.5 sentence 2, and as regards the certificate under sub-section 6.4.22.6 (a) of ADR/RID in agreement with the Federal Office for Radiation Protection;
3. the testing, recognition of inspection bodies and experts, allocation of the mark and design approval of packagings, IBCs, large packagings, and salvage packagings in accordance with chapters 6.1, 6.3, 6.5, and 6.6 of ADR/RID as well as the approval of the repair of flexible IBCs as determined in section 1.2.1 of ADR/RID/ADN;
4. the recognition and supervision of quality assurance programmes for the manufacturing, reconditioning and testing of packagings, IBCs and large packagings as well as the recognition of inspection bodies for testing the performance and efficiency of the quality assurance programmes under chapters 6.1, 6.3, 6.5, and 6.6, for periodic inspection and testing of IBCs under sub-section 6.5.4.4 and for the recognition and supervision of quality assurance programmes for design, manufacture, testing, documentation, use, maintenance and inspection of packages for radioactive material where a competent authority approval of the package design is required in accordance with chapter 6.4 in conjunction with section 1.7.3 of ADR/RID/ADN;

5. the approval of the type of porous material in accordance with paragraph 6.2.1.1.9 of ADR/RID;
6. the approval of new aluminium alloys under paragraph 6.2.3.4.2, and the approval of the test method for aluminium alloys under paragraph 6.2.5.4.2 of ADR/RID;
7. the approval of alternative methods under paragraph 6.2.6.3.2.2 and the approval under paragraph 6.2.6.3.3 of ADR/RID;
8. the testing of package designs for radioactive material where a competent authority approval of the package design is required under chapter 6.4 ADR/RID;
9. the supervision of quality management measures for the design, manufacture, testing, documentation and inspection of packages for radioactive material subject where a competent authority approval of the package design is required under chapter 6.4 in conjunction with 1.7.3 of ADR/RID/ADN;
10. the recognition of technical codes under paragraph 6.2.1.3.6.5.4, section 6.2.5, paragraph 6.7.2.2.1 sentence 1, paragraph 6.7.3.2.1 sentence 1, paragraph 6.7.4.2.1 sentence 1, paragraphs 6.7.5.2.9, 6.8.2.1.4, as well as sub-sections 6.8.2.7 and 6.8.3.7 sentence 1 of ADR/RID in agreement with the Federal Ministry of Transport, Building and Urban Development;
11. the approval of the methods of segregation under sub-section 7.5.2.2 footnote a of ADR/RID, insofar as this does not concern the military sector;
12. (deleted)
13. the issuance of special authorizations for carriage in tank vessels under section 1.5.2 of ADN; and
14. the approval of gas detection systems under sub-section 7.2.2.6 of ADN.

Sentence 1 no. 1 h) above shall not apply to tanks if these have undergone conformity assessment as transportable pressure equipment under section 3 or section 4 of OrtsDruckV since 1 July 2007.

## **Section 9**

### **Competencies of the experts recognised by the Federal Institute for Materials Research and Testing**

The experts recognised by the Federal Institute for Materials Research and Testing under section 6 paragraph 5 of the Transport of Dangerous Goods by Sea Ordinance are competent for:

1. the design type test of portable tanks and UN MEGCs under chapter 6.7 and of tank-containers, tank swap bodies and MEGCs under chapter 6.8 of ADR/RID;
2. the initial, periodic and exceptional inspection and test of portable tanks and UN MEGCs under chapter 6.7 and of tank-containers, tank swap bodies and MEGCs under chapter 6.8 of ADR/RID; and
3. the establishment of requirements for the inspection and test of portable tanks, tank-containers, tank swap bodies and MEGCs under paragraphs 4.3.3.2.5, 6.7.2.6.3, 6.7.2.10.1, 6.7.2.19.10, 6.7.3.15.10, 6.8.2.2.10, 6.8.3.4.4, 6.8.3.4.7, and 6.8.3.4.8, section 6.8.4 (b) and (d) special provision TT2 and TT7, in each case in agreement with the Federal Institute for Materials Research and Testing, as well as under paragraph 6.8.5.2.2 of ADR/RID.

Sentence 1 shall not apply to tanks if these have undergone conformity assessment as transportable pressure equipment under section 3 or section 4 of OrtsDruckV since 1 July 2007.

## **Section 10**

## **Competencies of the Federal Office of Defense Technology and Procurement**

The Federal Office of Defense Technology and Procurement is the competent authority for the military sector for tasks as regards:

1. chapter 2.2 of ADR/RID/ADN with regard to explosive substances and articles;
2. chapter 3.3 of ADR/RID/ADN with regard to explosive substances and articles;
3. chapter 4.1 of ADR/RID with regard to explosive substances and articles; and
4. sub-section 7.5.2.2 footnote a of ADR/RID with regard to explosive substances and articles.

### **Section 11**

#### **Competencies of the Federal Institute for Radiation Protection**

The Federal Institute for Radiation Protection is the competent authority for:

1. the issuance of the multilateral approval required for the determination of the radionuclide values not listed in table 2.2.7.2.2.1 in accordance with paragraph 2.2.7.2.2.2 of ADR/RID/ADN;
2. the approval of the shipment of radioactive material under paragraph 5.1.5.1.2 of ADR/RID/ADN;
3. the issuance of the shipment approval by special arrangement for the carriage of radioactive material under paragraph 5.1.5.1.3 in conjunction with section 1.7.4 of ADR/RID/ADN;
4. the receipt of the notification under paragraph 5.1.5.1.4 of ADR/RID/ADN;



5. the approval of designs for packages containing radioactive material under paragraphs 5.1.5.2.1 and 5.1.5.3.5, sub-sections 6.4.22.2 to 6.4.22.4 and the certificate under sub-section 6.4.22.6 (a) of ADR/RID; and
6. the approval of the radiation protection programme for the carriage of radioactive material by means of a special vessel under paragraph 7.1.4.14.7.3.7 of ADN.

## **Section 12**

### **Competencies of authorized inspection bodies**

Authorized inspection bodies in accordance with section 17 paragraph 5 of GPSG which are authorized to carry out inspections on installations requiring supervision under section 1 paragraph 2 sentence 1 nos. 1, 3, and 4 of BetrSichV and which are at the same time a notified body for transportable pressure equipment under section 2 no. 2 of OrtsDruckV in conjunction with Article 8 of Council Directive 1999/36/EC of 29 April 2009 on transportable pressure equipment (OJ L 138 of 01.06.1999 p. 20) or have been designated by the competent supreme federal state authority or the agency designated by that authority or have been established with an agency competent in accordance with Land law, are competent for:

1. the periodic inspections and tests of pressure receptacles under paragraph 6.2.1.6.1 – with the exception of checking the marking in accordance with sub-section 5.2.1.6 – of ADR/RID if, under Article 1(4) of Directive 1999/36/EC, these receptacles are used exclusively for transport operations to and from states which are neither Member States of the European Union nor parties to the Agreement on the European Economic Area, or if these receptacles are not subjected to conformity reassessment under section 1 paragraph 2 sentence 1 of OrtsDruckV;
2. the type testing of:

- a) portable tanks and UN MEGCs under paragraphs 6.7.2.18.1, 6.7.3.14.1, 6.7.4.13.1, and 6.7.5.11.1 in conjunction with chapter 4.2, and paragraphs 6.7.2.19.9, 6.7.3.15.9, 6.7.4.14.10, and 6.7.5.12.7 of ADR/RID;
  - b) fixed tanks, demountable tanks (road), battery-vehicles, tank-wagons – on behalf of the competent authority for type approval – demountable tanks (rail), battery-wagons, tank-containers, tank swap bodies and MEGCs under paragraph 6.8.2.3.1 in conjunction with chapter 4.3, and chapter 6.10 in conjunction with chapter 4.5 of ADR/RID; and
  - c) fibre-reinforced tanks and tank-containers under sub-section 6.9.4.1 in conjunction with chapter 4.4 of ADR/RID in agreement with the Federal Institute for Materials Research and Testing;
3. the initial and periodic inspections and tests, intermediate inspections and tests and exceptional inspections and tests of the shells and items of equipment of:
- a) portable tanks and UN MEGCs under chapter 6.7 of ADR/RID;
  - b) fixed tanks, demountable tanks (road), battery-vehicles, tank-wagons, demountable tanks (rail), battery-wagons, tank-containers, tank swap bodies and MEGCs under chapter 6.8 of ADR/RID, and
  - c) fibre-reinforced plastic tanks (FRP tanks) under chapter 6.9 of ADR/RID;
4. the tasks under paragraphs 4.3.3.2.5, 6.7.2.6.3, 6.7.2.10.1, 6.7.2.19.10, 6.7.3.15.10, 6.8.2.2.10, 6.8.3.4.4, 6.8.3.4.7, and 6.8.3.4.8, section 6.8.4 (b) and (d) special provisions TT2 and TT7, in agreement with the Federal Institute for Materials Research and Testing, as well as under paragraph 6.8.5.2.2 of ADR/RID; and
5. the test and inspection of the electrical equipment of the service equipment of tanks under sections 9.2.2 and 9.7.8 of ADR before the tanks are put into service under paragraph 6.8.2.4.1 of ADR and within the framework of the

inspection and check of the tanks under paragraphs 6.8.2.4.2 and 6.8.2.4.4 of ADR.

Sentence 1 nos. 2 and 3, a) and b), shall not apply to tanks if these have undergone conformity assessment as transportable pressure equipment under section 3 or section 4 of OrtsDruckV since 1 July 2007.

### **Section 13**

#### **Competencies of the notified bodies**

The notified bodies for transportable pressure equipment under section 2 no. 2 of OrtsDruckV in conjunction with Article 8 of Directive 1999/36/EC authorized by a competent agency in accordance with Land law are competent for the inspection and test as well as the approval of receptacles under sub-sections 6.2.1.4 and 6.2.1.6 of ADR/RID.

Sentence 1 shall not apply to receptacles if these have undergone conformity assessment as transportable pressure equipment under section 3 or section 4 of OrtsDruckV or periodic inspection under section 9 of the aforementioned Ordinance.

### **Section 14**

#### **Special competencies as regards carriage by road**

(1) The Federal Office for Goods Transport is the competent authority for receiving the reports on occurrences during the carriage of dangerous goods in accordance with sub-section 1.8.5.1 of ADR and submitting them to the Federal Ministry of Transport, Building and Urban Development.

(2) The Federal Motor Transport Authority is the competent authority for the type-approval of vehicles under sub-section 9.1.2.2 sentence 1 of ADR.

(3) The Chambers of Industry and Commerce are competent for:

1. the approval and supervision of the training, the conduct of examinations and the issuance of the certificate of driver's training in accordance with section 8.2.2 of ADR; and
2. the maintenance of a register under sub-section 1.10.1.6 of ADR of all valid training certificates for drivers with the exception of the training certificates specified under Section 7 paragraph 1 no. 3 and paragraph 2 no. 3.

Details as regards sentence 1 nos. 1 and 2 may be laid down in statutes by the Chambers of Industry and Commerce.

(4) The officially approved experts on motor vehicle traffic who have been designated by the competent superior federal state authority or by an agency designated by that authority or who are working for an agency competent in accordance with Land law and the technical services (Technische Dienste) which have been designated at least for the testing of dangerous goods vehicles within the framework of the designation for the testing of a vehicle installation are competent for the first inspection under sub-section 9.1.2.1 sentence 2 to verify the conformity with the relevant requirements of chapters 9.2 to 9.8 and for the issuance of an ADR certificate of approval under sub-section 9.1.2.1 sentence 4 in conjunction with sub-section 9.1.3.1.

(5) The agencies or persons competent for the main inspection under section 29 of the Road Traffic Registration Regulations in the version promulgated on 28 September 1988 (Federal Law Gazette I p. 1793) as amended by Article 3 of the Ordinance of 21 April 2009 (Federal Law Gazette I p. 872) who have been designated by the competent superior federal state authority or by an agency designated by that authority or who are working for an agency competent in accordance with Land law are competent for the annual technical inspection and the extension of the validity date for ADR certificates of approval under sub-section 9.1.2.3.

## **Section 15**

### **Special competencies as regards carriage by rail**

- (1) The Federal Railway Office is the competent authority for:
1. the issuance of an authorization to continue a transport operation under paragraph 1.4.2.2.4 of RID as regards federal railways;
  2. the receipt of information and notifications under sub-section 1.7.6.1 (b) (iv) and (c) of RID as regards federal railways;
  3. the implementation of the administrative controls relating to dangerous goods under section 1.8.1 of RID and the provisions of this Ordinance as regards federal railways;
  4. the provision of administrative support under section 1.8.2 of RID as regards federal railways;
  5. the receipt of reports on occurrences during the carriage of dangerous goods under sub-section 1.8.5.1 of RID and the submission of those reports to the Federal Ministry of Transport, Building and Urban Development;
  6. the establishment of additional provisions or special safety requirements under chapter 1.9 for the federal railways and the notification to the Intergovernmental Organisation for International Carriage by Rail (OTIF) of the restrictions on carriage under section 1.9.4 of RID for the federal railways, both in agreement with the Federal Ministry of Transport, Building and Urban Development;
  7. the prescription of tests for tank-wagons under paragraph 6.8.2.1.2 sentence 2 and the approval of the values of yield strength and tensile strength under paragraph 6.8.2.1.16 of RID;

8. the recognition of the manufacturer's qualification for performing welding operations and the issuance of orders prescribing additional checks under paragraph 6.8.2.1.23 of RID;
9. the decision on derogations for return transport operations under paragraphs 6.7.2.19.6 (b), 6.7.3.15.6 (b) and 6.7.4.14.6 (b) of RID;
10. the type approval and type test of battery-wagons, tank-wagons and demountable tanks under chapter 6.8 of RID;
11. the granting of the approval under paragraph 6.8.3.2.16 of RID;
12. the establishment of the conditions for or the approval of a test programme in accordance with section 6.8.4 (c) special provision TA 2 of RID, both in agreement with the Federal Institute for Materials Research and Testing; and
13. the prosecution and punishment of administrative offences under Section 37 for the federal railways.

Sentence 1 no. 10 shall not apply to tanks if these have undergone conformity assessment as transportable pressure equipment under section 3 or section 4 of OrtsDruckV since 1 July 2007.

(2) (deleted)

(3) The authorities competent in accordance with Land law are competent for carriage as regards non-federally owned railways unless otherwise provided in this Ordinance.

## **Section 16**

### **Special competencies as regards carriage by inland waterways**

- (1) The National Metrology Institute (PTB) is the competent authority for:

1. the approval of flame-arresters under paragraphs 9.3.2.12.7 and 9.3.3.12.7 of ADN; and
2. the type certification of a connection and the approval of sampling devices in accordance with the definition of “Closed-type sampling device” and “Partly closed sampling device” in section 1.2.1 and of flame arrester plate stacks in accordance with the definition of “Sampling opening” under section 1.2.1 of ADN.

(2) The Central Ship Inspection Commission/Ship Measurement Office of the Waterways and Shipping Directorate South-West is the competent authority for:

1. tasks under chapter 1.16 of ADN;
2. the approval and monitoring of training courses and examinations under sub-section 8.2.2.6 as well as the recognition of documents under sub-sections 8.2.1.9 and 8.2.1.10 of ADN;
3. granting persons the authorization to inspect the electrical installations under section 8.1.7 of ADN;
4. granting persons the authorization to check and inspect the fire-extinguishing appliances and hoses, the hoses and hose assemblies used for loading and unloading, the special equipment and the gas detection system under sub-sections 8.1.6.1 to 8.1.6.3 of ADN;
5. the withdrawal, withholding or amendment of a certificate of approval under sub-sections 8.1.8.7, 8.1.8.8 and 8.1.9.1 in conjunction with 8.1.9.2 of ADN;
6. the stamping of the documents under paragraphs 9.3.1.50.2, 9.3.2.50.2, and 9.3.3.50.2 of ADN;

7. the maintenance of a register of all valid certificates for experts under sub-section 1.10.1.6 of ADN;
8. the receipt of reports on occurrences during the carriage of dangerous goods under sub-section 1.8.5.1 of ADN and the submission of those reports to the Federal Ministry of Transport, Building and Urban Development;
9. the approval of qualified persons under section 3.2.3 table C column (20) no. 12 (q) and no. 33 (i) .2 of ADN;
10. the alternative constructions under section 9.3.4 of ADN; and
11. equivalentents and derogations under section 1.5.3 of ADN.

(3) The Central Ship Inspection Commission/Ship Measurement Office of the Waterways and Shipping Directorate South-West for the federal waterways and the respective agency competent in accordance with Land law for all other navigable waterways, is the competent authority for:

1. granting persons the approval to declare and certify the condition of being gas-free under paragraph 7.2.3.7.6 sentence 3 of ADN; and
2. granting competent persons or companies the approval to gas-free cargo tanks under paragraph 7.2.3.7.1 or to clean cargo tanks under 7.2.4.15.3 of ADN.

(4) The Waterways and Shipping Directorate in its respective district for the federal waterways and the respective agency competent in accordance with Land law for all other navigable waterways is the competent authority for the persecution and punishment of administrative offences under Section 37.

(5) The Waterways and Shipping Directorate in its respective district is the competent authority for:

1. the issuance of certificates under sub-sections 8.2.1.2 and 8.2.2.8 of ADN: and



2. the organization of examinations under sub-section 8.2.2.7 of ADN.

(6) The Waterways and Shipping Office in its respective district for the federal waterways and the respective agency competent in accordance with Land law for all other navigable waterways is the competent authority for:

1. tasks under part 7 of ADN with the exception of the tasks under paragraph 1 no. 1 and paragraph 3 no. 2 above;
2. the authorization of repair and maintenance work requiring the use of electric current or an open flame under section 8.3.5 of ADN;
3. the receipt of notifications on increased concentrations of hydrogen sulphide under part 3 table C column (20) no. 28 (b) of ADN when UN 2448 is carried;
4. the monitoring under paragraph 1.8.1.1.1 of ADN; and
5. the receipt of information and communications under sub-section 1.7.6.1 (b) (iv) and (c) of ADN.

A competent authority under sentence 1 nos. 4 and 5 above as well as sub-section 7.1.5.5 of ADN is also the respective agency competent in accordance with Land law.

(7) The respective agency competent in accordance with Land law is the competent authority for checks under sub-section 1.8.1.4 of ADN.

(8) The Seaman's Accident Prevention and Insurance Authority (Seeberufsgenossenschaft) is competent for checking the stability documents under paragraph 9.2.0.94.4 of ADN in accordance with IMO Resolution A.749 (18) including its Annex "Code on Intact Stability for All Types of Ships" in the version promulgated on 18 March 1999 (Federal Ministry of Transport Gazette p.164).

Obligations of participants in Germany:

## **Section 17**

### **Obligations of the client of the consignor**

(1) As regards carriage by road and rail as well as inland waterways, the client of the consignor shall ensure:

1. that the information under sub-sections 5.4.1.1, 5.4.1.2 and paragraphs 5.5.2.4.1 and 5.5.2.4.3 of ADR/RID/ADN, with the exception of the name and address of the consignor under 5.4.1.1.1 (g) of ADR as regards carriage by road, is provided to the consignor in writing, and, if substances are carried by road which are subject to Section 35 paragraph 1, advert him in writing to the consideration of that Section; and
2. that in case of carriage in accordance with chapter 3.4, the consignor is informed of the dangerous good in limited quantities stating the gross mass, and, in case of transport under chapter 3.5 of ADR/RID/ADN, the consignor is informed of the dangerous good in excepted quantities stating the number of packages.

(2) As regards carriage by rail, the client of the consignor shall ensure that the information under paragraph 1.1.4.4.5 of RID is provided in writing to the consignor.

## **Section 18**

### **Obligations of the consignor**

(1) As regards carriage by road and rail as well as inland waterways, the consignor shall:

1. inform the carrier and, if the dangerous goods have been imported via German sea ports, inland ports or airports, the loader who first offers the dangerous goods for carriage by road vehicles, rail or inland vessels or who undertakes the

carriage by road or inland waterways himself, when issuing the transport order, of the dangerous goods by means of the information under paragraph 5.4.1.1.1 (a) to (d) of ADR/RID/ADN or paragraph 5.4.1.1.2 (a) to (d) of ADN and, if goods are carried by road which are subject to Section 35 paragraph 1, advert him to the consideration of that Section. For carriage under chapters 3.4 and 3.5 of ADR/RID/ADN, a general reference to the dangerous good in limited and excepted quantities shall be required;

2. in advance of carriage under section 3.4.12 ADR/RID/ADN, inform the carrier in a traceable form of the total gross mass of the dangerous goods to be consigned in limited quantities;
3. ascertain before handing over dangerous goods for carriage that the dangerous goods are classified in accordance with part 2 of ADR/RID/ADN and are accepted for carriage under Section 3;
4. ensure that the particulars laid down in a derogation, an agreement under section 5 or an exemption ordinance under section 6 of the Carriage of Dangerous Goods Act (Gefahrgutbeförderungsgesetz) are entered into the transport document;
5. ensure that only packagings, large packagings, IBCs, tanks, MEMUs or vessels are used which are approved for and suited to the carriage of the respective goods under table A in chapter 3.2 of ADR/RID, sub-section 1.1.4.3 of ADR/RID, or under table A in chapter 3.2 and additionally, in the case of carriage by tank vessels, table C of ADN;
6. ensure that the competent authority under paragraph 5.1.5.1.4 of ADR/RID/ADN is notified;
7. have a copy of the instructions under paragraph 4.1.9.1.8 and a copy of the required certificates under paragraph 5.1.5.2.1, and, upon request, make documentary evidence available to the competent authority under paragraph 5.1.5.2.3 of ADR/RID/ADN;

8. ensure that a transport document under section 5.4.1 is provided to carry on board which contains the information and instructions required in accordance with section 5.4.1, the applicable special provisions in chapter 3.3 as well as paragraphs 5.5.2.4.1 and 5.5.2.4.3 of ADR/RID/ADN and sub-section 6.7.1.3 of ADR/RID;
9. ensure that the certificates under paragraph 5.4.1.2.5.4 of ADR/RID/ADN are made available to the carrier prior to loading and unloading;
10. ensure that the required accompanying documents under the applicable special provisions of chapter 3.3 of ADR/RID/ADN, paragraph 4.1.3.8.2 of ADR/RID, sub-section 5.4.1.2 and section 5.4.2 of ADR/RID/ADN are enclosed with the transport document;
11. inform the loader in writing of the fumigation of units; and
12. retain a copy of the dangerous goods transport document and additional information and documentation as specified in ADR/RID/ADN for a minimum period of three months from the end of the transport operation in accordance with sub-section 5.4.4.1 of ADR/RID/ADN.

(2) As regards carriage by road, the consignor shall ensure that the derogation under Section 5 paragraph 1 sentence 1 no. 1, paragraph 6 or 7 is handed over to the carrier prior to the start of the transport operation.

(3) As regards carriage by rail, the consignor shall:

1. comply with the provisions for carriage as colis express (express goods) under chapter 7.6 of RID;
2. ensure that even uncleaned and not degassed empty tanks or empty uncleaned wagons, large containers and small containers for carriage in bulk display:

- a) placards under sub-section 5.3.1.6 of RID;
- b) the orange-coloured plates under paragraph 5.3.2.1.7 with the exception of paragraph 5.3.2.1.5 of RID;
- c) marks under section 5.3.6 of RID, and
- d) shunting labels under section 5.3.4 of RID;

and

- 3. ensure that the transport document contains the information specified under paragraph 1.1.4.4.5 of RID.

(4) As regards carriage by inland waterways, the consignor shall ensure:

- 1. that the carrier or shipmaster is provided with the derogation under Section 5 paragraph 1 sentence 1 no. 3 or paragraph 3 sentence 1 prior to the start of the transport operation; and
- 2. ensure that even uncleaned and not degassed empty tanks or empty uncleaned vehicles, wagons, containers, large containers and small containers for carriage in bulk display:
  - a) placards under paragraph 5.3.1.2.4 of ADN; and
  - b) the orange-coloured plate marking under paragraph 5.3.2.1.7 of ADN.

## **Section 19**

### **Obligations of the carrier**

- (1) As regards carriage by road and rail as well as inland waterways, the carrier:

1. shall inform the consignor under sub-section 1.7.6.1 (a) (i) of ADR/RID/ADN of the non-compliance with any limit applicable to radiation level or contamination;
2. shall, if he observes an infringement of the requirements of ADR/RID/ADN specified in paragraph 1 no. 1 and paragraphs 2 to 4, not forward the consignment until the requirements have been fulfilled;
3. shall retain a copy of the dangerous goods transport document and additional information and documentation as specified in ADR/RID/ADN for a minimum period of three months from the end of the transport operation in accordance with sub-section 5.4.4.1 of ADR/RID/ADN; and
4. shall ensure that the documents associated with the carriage of cargo transport units that have been fumigated and have not been completely ventilated before carriage include the information specified in paragraph 5.5.2.4.1 ADR/RID/ADN.

(2) As regards carriage by road, the carrier shall:

1. comply with the prohibition of any other use under special provision TU 15 of section 4.3.5 of ADR;
2. provide to the vehicle crew the instructions in writing under sub-section 5.4.3.2 of ADR in a language/languages each member can read and understand before the commencement of the journey, and ensure that each member of the vehicle crew concerned understands and is capable of carrying out the instructions properly;
3. ensure that the provisions concerning carriage in bulk in vehicles or containers under the applicable special provisions of chapters 3.3 and 7.3 and the provisions concerning carriage in tanks under section 7.4.1 of ADR are complied with;

4. ensure that the provisions concerning the limitation of quantities carried under paragraph 7.5.5.2.1 and sub-section 7.5.5.3 of ADR are complied with;
5. ensure that:
  - a) the accompanying documents under sub-section 8.1.2.1 (a) and sub-section 8.1.2.2 (a) and (c), and, for domestic transport operations in demountable tanks, the certificate on the tests, inspections and checks of the demountable tank under paragraph 6.8.2.4.5 and sub-section 6.9.5.3 of ADR; and
  - b) the derogation under Section 5 paragraph 1 sentence 1 no. 1, paragraph 6 or 7are handed over to the driver before the commencement of the journey;
6. ensure that only drivers holding a valid certificate under sub-section 8.2.2.8 of ADR are deployed;
7. ensure that portable tanks are not offered for carriage under sub-section 4.2.3.8 (f) of ADR;
8. ensure that for fixed tanks, demountable tanks and battery-vehicles, the tank record is maintained, retained, handed over to a new carrier, submitted to the competent authorities upon request and made available to the expert under paragraph 4.3.2.1.7 of ADR;
9. equip the vehicle with fire-fighting equipment under section 8.1.4 of ADR;
10. meet the inspection periods under sub-section 8.1.4.4 of ADR in conjunction with Annex 2 no. 3.4 or the approved national standards;

11. affix to the vehicle the required placards under section 5.3.1, orange-coloured plate markings under section 5.3.2, the marking under section 3.4.15, and marks under sections 5.3.3 and 5.3.6 of ADR;
12. ensure that only tanks are used whose shell has a thickness which complies with the requirements under paragraph 4.3.2.3.1 in conjunction with paragraphs 6.8.2.1.17 to 6.8.2.1.21 of ADR;
13. ensure that even in between test dates fixed tanks, demountable tanks, battery-vehicles and vacuum-operated waste tanks comply with the requirements on construction, items of equipment and marking under sub-sections 6.8.2.1, 6.8.2.2, 6.8.2.5, 6.8.3.1, 6.8.3.2, and 6.8.3.5, and sections 6.10.2 and 6.10.3 as regards the substances indicated in the ADR certificate of approval in accordance with sub-section 9.1.3.1 or in the certificate under paragraphs 6.8.2.4.5 and 6.8.3.4.16 of ADR;
14. ensure that subject to the provisions of paragraphs 6.8.2.4.4 and 6.8.3.4.14 of ADR an exceptional check of the fixed tank and the battery-vehicle is carried out when the safety of the tank or its equipment may have been impaired;
15. provide the driver with the required equipment for load securing,
16. equip the vehicle in accordance with section 8.1.5 of ADR;
17. ensure that for vehicles:
  - a) which are approved under sub-section 9.1.2.1 sentence 4, when carrying dangerous goods specified under no. 10 of the ADR certificate of approval under sub-section 9.1.3.5, the requirements concerning the construction and items of equipment of the vehicles under section 9.2.1 of ADR in conjunction with the additional requirements under chapters 9.3 to 9.8 of ADR; and



b) which are not subject to approval under sub-section 9.1.2.1 sentence 4, the requirements concerning the construction and items of equipment of the vehicles under the applicable special provisions of section 7.3.3, sub-section 9.2.1.1 sentence 2, sections 9.4.1 and 9.5.1 and chapter 9.6 of ADR

are complied with; and

18. ensure that for domestic transport operations the provision in Annex 2 no. 3.3 on the parking of vehicles requiring obligatory marking is complied with.

(3) As regards carriage by rail, the carrier:

1. shall provide training to the personnel covering matters specific to rail transport under sub-section 1.3.2.2 of RID;
2. shall ensure that the manager of the railway infrastructure he uses has rapid and unrestricted access at any time during carriage to the information which enables him to fulfil the requirements of sub-section 1.4.3.6 (b) of RID;
3. shall ensure that in accordance with sub-section 1.10.1.4 of RID each crew member of a train carrying dangerous goods carries with him during carriage means of identification, which includes his photograph;
4. shall ensure that the accompanying documents specified in Section 18 paragraph 1 nos. 8 and 10 are available during carriage and are presented to competent persons for inspection upon request;
5. shall ensure that the provisions concerning protective distance under section 7.5.3 of RID are complied with;
6. shall provide to the train driver before the start of the journey the instructions in writing in a language that he can read and understand under sub-section 5.4.3.2 of RID;

7. shall, before the start of the journey, inform the train driver of the dangerous goods loaded under sub-section 5.4.3.3 of RID;
8. shall ensure that the equipment prescribed in the instructions in writing under sub-section 5.4.3.4 of RID is carried in the driver's cab; and
9. shall ensure that in piggyback transport the orange-coloured plates or the placards are affixed to the trailer under paragraph 1.1.4.4.3 of RID.

(4) As regards carriage by inland waterways, the carrier:

1. shall ascertain that the vessel is permitted for the carriage of dangerous goods under section 7.1.2 or 7.2.2 of ADN;
2. shall ensure that for each crew member, means of identification, which includes a photograph, is on board under sub-section 1.10.1.4 of ADN;
3. shall provide to the shipmaster before the commencement of the journey the instructions in writing under section 5.4.3 of ADN in the language that the master and the expert can read and understand;
4. shall ensure that the crew complies with the requirements concerning loading, carriage, unloading and other handling of cargo under part 7 of ADN, with the exception of the requirements concerning the classification of tank vessels, manuals, notice boards and equipment;
5. shall ensure that the requirements concerning the limitation of the quantities carried under sub-section 7.1.4.1 of ADN are complied with;
6. shall ensure that the documents under sub-sections 8.1.2.1 to 8.1.2.3 of ADN are handed over to the shipmaster; and

7. shall ensure that vessels are used only when there is an expert on board who holds a valid certificate under sub-sections 8.2.1.2, 8.2.1.5 or 8.2.1.7 of ADN.

## **Section 20**

### **Obligations of the consignee**

(1) As regards carriage by road and rail as well as inland waterways, the consignee:

1. has the obligation under paragraph 1.4.2.3.1 of ADR/RID/ADN:
  - a) not to defer acceptance of the goods without compelling reasons; and
  - b) to verify after unloading and before the return or reuse that the requirements of ADR/RID/ADN concerning him have been complied with; and
2. shall inform the consignor under sub-section 1.7.6.1 (a) (ii) in conjunction with (c) of ADR/RID/ADN of the non-compliance with any limit applicable to radiation level or contamination.

(2) As regards carriage by road, the consignee:

1. shall, under paragraph 1.4.2.3.2 of ADR, if the verification under paragraph 1 no. 1 b) above brings to light an infringement of the requirements of ADR in the case of a container, return the container to the carrier only after the infringement has been remedied; and
2. shall, for domestic transport operations, instruct the driver in accordance with Annex 2 no. 3.2 second sentence in conjunction with the first sentence prior to the first operation of the filling device.

(3) As regards carriage by rail, the consignee may, under paragraph 1.4.2.3.2 of RID, only return or reuse a wagon or container once the requirements of RID concerning unloading have been complied with.

(4) As regards carriage by inland waterways, the consignee shall, if the verification in accordance with paragraph 1 no. 1 b) above brings to light an infringement of the requirements of ADN, return the container, vehicle or wagon to the carrier only after the infringement has been remedied.

## **Section 21**

### **Obligations of the loader**

(1) As regards carriage by road and rail as well as inland waterways, the loader:

1. shall only hand over dangerous goods to the carrier for carriage if these are accepted for carriage under Section 3;
2. shall, when handing over packed dangerous goods or uncleaned empty packagings for carriage, examine the packaging for evidence of incompleteness or damage or for dangerous residues adhering to the outer surface. He shall not hand over a package the packaging of which is clearly not complete or damaged, especially if the dangerous good leaks or there is a risk of its leaking, or to the outer surface of which dangerous residues adhere until the defect has been repaired. This also applies to carriage under chapters 3.4 and 3.5 of ADR/RID/ADN;
3. shall ensure that a package from which a part of the dangerous good contained in it has been removed is loaded only if the packaging complies with the provisions of sub-section 4.1.1.1 of ADR/RID;
4. shall ensure that the provisions concerning empty packagings under sub-section 4.1.1.11 in conjunction with sub-section 4.1.1.1 of ADR/RID are complied with;

5. shall ensure that a warning sign under paragraph 5.5.2.3.1 of ADR/RID/ADN is applied;
6. shall ensure that the marking provisions under sections 3.4.13 to 3.4.15 ADR/RID/ADN are complied with; and
7. shall ensure that the maximum number of packages as specified in section 3.5.5 of ADR/RID/ADN is not exceeded.

(2) As regards carriage by road, the loader shall:

1. inform the driver of the dangerous goods by means of the information in accordance with paragraph 5.4.1.1.1 (a) to (d) of ADR, and, if substances are carried by road which are subject to Section 35 paragraph 1, advert him to the consideration of that Section. For carriage under chapters 3.4 and 3.5 of ADR, only a general reference to the dangerous good in limited or exempted quantities is required;
2. ensure that the provisions concerning vehicles carrying tank-containers, portable tanks, and MEGCs under section 7.4.1 of ADR are complied with;
3. ensure that the provisions concerning labels and markings under sub-section 5.1.3.1 in conjunction with chapter 5.2 of ADR are complied with;
4. verify that containers containing packages bear placards under sub-section 5.3.1.2 and the mark under section 5.3.6 of ADR; and
5. ensure that containers are used which comply with the technical requirements under sections 7.1.3 and 7.1.4 of ADR.

(3) As regards carriage by rail, the loader shall:

1. ensure that the provisions concerning labels and markings under sub-section 5.1.3.1 in conjunction with chapter 5.2 of RID are complied with;

2. ensure that:
  - a) placards under sub-sections 5.3.1.2, 5.3.1.3, and 5.3.1.5 as well as under paragraph 1.1.4.4.4 for piggyback transport, shunting labels under section 5.3.4 as well as the mark under section 5.3.6 of RID are affixed to large containers and wagons containing packages as well as carrying wagons;
  - b) orange-coloured plates under paragraph 5.3.2.1.1 sentence 1 indent 9 and paragraph 5.3.2.1.2 of RID are affixed to a wagon or container; and
  - c) orange-coloured plates under paragraph 5.3.2.1.5 as well as for piggyback transport the markings or orange-coloured plates under paragraph 1.1.4.4.4 of RID are affixed to carrying wagons;
3. ensure that containers are used which comply with the technical requirements under sections 7.1.3 and 7.1.4 of RID;
4. ensure that when loading dangerous goods into wagons or containers the provisions concerning:
  - a) carriage in packages under chapter 7.2 of RID; and
  - b) loading and handling under chapter 7.5 of RIDare complied with.

(4) As regards carriage by inland waterways, the loader shall:

1. inform the shipmaster of the dangerous good by means of the information specified in paragraph 5.4.1.1.1 (a) to (d) of ADN. For carriage in limited or exempted quantities under chapters 3.4 and 3.5 of ADN, only a general reference to the dangerous good is required;

2. ensure that:
  - a) placards under paragraph 5.3.1.1.2 and the mark under section 5.3.6 of ADN are affixed to containers, MEGCs, tank-containers and portable tanks;
  - b) placards are affixed to vehicles carrying containers, MEGCs, tank-containers or portable tanks under paragraph 5.3.1.1.3 sentence 1 of ADN;
  - c) placards are affixed to vehicles for carriage in bulk, tank-vehicles, battery-vehicles and vehicles with demountable tanks under paragraph 5.3.1.1.4 of ADN;
  - d) placards are affixed to vehicles carrying packages only under paragraph 5.3.1.1.5 of ADN; and
  - e) placards are affixed to empty tank-vehicles, battery-vehicles, MEGCs, tank-containers and portable tanks as well as empty vehicles and containers for carriage in bulk under paragraph 5.3.1.1.6 of ADN;and
3. ensure that the requirements concerning loading, carriage, and handling under section 7.1.4 of ADN are met.

## **Section 22**

### **Obligation of the packer**

(1) As regards carriage by road and rail as well as inland waterways, the packer shall comply with:

1. the provisions on packing, placement in overpacks and marking under sections 3.4.1 to 3.4.11 of ADR/RID/ADN;

2. the provisions on packing, placement in overpacks and marking under sections 3.5.1 to 3.5.4 of ADR/RID/ADN;
3. the provisions concerning the use and leakproofness test after filling of pressure receptacles, packagings including IBCs and large packagings under sections 4.1.1 to 4.1.9 and paragraphs 6.2.6.3.2.2.1 and 6.2.6.3.2.2.3 of ADR/RID as well as the applicable special provisions of chapter 3.3 of ADR/RID/ADN;
4. the requirements for mixed packing under:
  - a) paragraph 1.1.4.2.1 (b) of ADR/RID in a transport chain including maritime or air carriage; and
  - b) section 4.1.10 of ADR/RID;
5. the requirements for the marking and labelling:
  - a) of packages under paragraph 1.1.4.2.1 (a) of ADR/RID/ADN in a transport chain including maritime or air carriage; and
  - b) of packages under sections 5.1.4, 5.2.1 and 5.2.2 as well as the applicable special provisions of chapter 3.3 of ADR/RID/ADN;

and

6. secure packages within the overpacks.

(2) As regards carriage by road, the packer shall comply with the provisions on the use of overpacks under section 5.1.2 of ADR.

(3) As regards carriage by rail, the packer shall comply with the provisions on the use of overpacks under section 5.1.2 of RID.



**Section 23**  
**Obligations of the filler**

(1) As regards carriage by road and rail as well as inland waterways, the filler:

1. shall hand over dangerous goods to the carrier for carriage only if these are accepted for carriage under Section 3;
2. shall fill portable tanks and UN MEGCs under sub-section 4.2.1.1, sub-section 4.2.2.2 in conjunction with paragraph 4.2.2.7.1, sub-section 4.2.3.2 in conjunction with paragraph 4.2.3.6.1, sub-section 4.2.4.1 in conjunction with paragraph 4.2.4.5.1 of ADR/RID with dangerous goods authorized for carriage in these tanks only when the date of the next test has not expired;
3. shall ensure that the leakproofness of the closures of portable tanks and UN MEGCs is checked and that portable tanks are not carried when leaking under paragraph 4.2.1.9.6 (c) and sub-section 4.2.2.8 (b), sub-section 4.2.3.8 (b) and 4.2.4.6 (a) of ADR/RID;
4. shall fill tanks whose test dates have not expired with the dangerous goods admissible under paragraph 4.3.2.1.5 only if these dangerous goods may be carried in tanks in accordance with paragraph 4.3.2.1.1 of ADR/RID;
5. shall ensure that the maximum filling ratio or the maximum permissible mass of filling per litre of capacity or the maximum permissible gross mass under paragraphs 4.2.1.9.1.1, 4.2.1.13.13, 4.2.2.7.2, 4.2.2.7.3, 4.2.3.6.2, 4.2.3.6.3, 4.2.3.6.4, 4.2.4.5.2, and 4.2.4.5.3, the applicable special provisions in sub-section 4.2.5.3, the provisions in sub-section 4.3.2.2, paragraphs 4.3.3.2.3 and 4.3.3.2.5 or the applicable special provisions in section 4.3.5 of ADR/RID is complied with;

6. shall ensure that after filling tanks or cargo tanks the leakproofness of the closures is checked in accordance with the applicable special provisions in chapter 3.3 of ADR/RID/ADN and the provisions of paragraph 4.3.2.3.3 sentences 4 and 5 and paragraph 4.2.4.5.5 sentence 2 of ADR/RID;
7. shall ensure that no dangerous residues of the filling substance adhere to the outside of the tank under paragraph 4.2.1.9.6 (b) or paragraph 4.3.2.3.5 of ADR/RID;
8. shall ensure that in accordance with sub-section 4.2.1.6 or paragraph 4.3.2.3.6 of ADR/RID adjoining tank compartments are not filled with substances which may react dangerously with each other;
9. shall ensure that in the event of a change of use of tanks, emptying, cleaning and degassing operations under paragraph 4.3.3.3.1 of ADR/RID are carried out;
10. shall ensure that the name of the gases permitted for carriage is marked on portable tanks under paragraphs 6.7.3.16.2 and 6.7.4.15.2 of ADR/RID;
11. shall ensure that the proper shipping name of the substances and gases carried is inscribed on tank-containers, MEGCs, battery-vehicles and battery-wagons under paragraphs 6.8.2.5.2 and 6.8.3.5.11 and, for gases classified under a n.o.s. entry, additionally the technical name under paragraphs 6.8.3.5.6 and 6.8.3.5.12 of ADR/RID; and
12. shall ensure that charged MEGCs are not offered for carriage in accordance with sub-section 4.2.4.6 (b) to (d) of ADR/RID.

(2) As regards carriage by road, the filler:

1. shall inform the driver of the dangerous goods by means of the information in accordance with paragraph 5.4.1.1.1 (a) to (d) of ADR, and, if substances are

carried by road which are subject to Section 35 paragraph 1, advert him to the consideration of that Section;

2. shall inform the driver of the hazard identification numbers for the orange-coloured plates under 5.3.2 of ADR;
3. shall ensure that tank-containers, portable tanks, MEGCs and containers containing dangerous goods in bulk display:
  - a) placards under sub-section 5.3.1.2 of ADR;
  - b) the orange-coloured plate under section 5.3.2 of ADR;
  - c) the mark under section 5.3.3 of ADR (except MEGCs); and
  - d) the mark under section 5.3.6 of ADR;
4. shall ensure that the provisions concerning loading under sub-sections 7.5.1.1 and 7.5.1.2 of ADR are complied with;
5. shall comply with the prohibition of smoking under sections 7.5.9 and 8.3.5 of ADR;
6. shall ensure that paragraphs 2 and 3 of the additional requirement S2 in chapter 8.5 of ADR is complied with;
7. shall instruct the driver in accordance with Annex 2 no. 3.2 sentence 1 to this Ordinance;
8. shall ensure that the applicable special provisions in chapter 3.3 and the provisions under chapter 7.3 of ADR concerning carriage in bulk are complied with;

9. shall ensure that for vehicles, portable tanks or tank-containers the precautions against electrostatic charges under section 7.5.10 of ADR are taken;
10. shall, in accordance with paragraph 4.3.2.1.1, fill tanks with dangerous goods for which they have been approved under paragraph 4.3.2.1.5 only if the expiry date of the ADR certificate of approval of the tank-vehicle under sub-section 9.1.3.4 of ADR has not expired; and
11. shall ascertain that the provisions concerning carriage in tanks under section 7.4.1 of ADR are complied with.

(3) As regards carriage by rail, the filler shall:

1. ensure that before and after the filling of liquid gas tank-wagons the provisions concerning control measures under paragraphs 4.3.3.4.1 and 4.3.3.4.3 of RID are complied with;
2. ensure that:
  - a) placards under sub-sections 5.3.1.2 and 5.3.1.4 of RID;
  - b) shunting labels under sub-section 5.3.4.1 of RID,
  - c) the orange-coloured plate under paragraph 5.3.2.1.1 sentence 1 and paragraph 5.3.2.1.2 of RID,
  - d) the mark under section 5.3.3 of RID; and
  - e) the mark under section 5.3.6 of RIDare applied;
3. shall ensure that the provisions concerning carriage in bulk under chapter 7.3 of RID are complied with; and

4. shall ensure that the provisions concerning loading under sub-sections 7.5.1.1 and 7.5.1.2 of RID are complied with.

(4) As regards carriage by inland waterways, the filler shall

1. inform the shipmaster of the dangerous good by means of the information specified in paragraph 5.4.1.1.1 sentence 1 (a) to (d) and paragraph 5.4.1.1.2 sentence 1 (a) to (d) of ADN;

2. shall ensure that tank-containers, portable tanks, MEGCs and containers containing dangerous goods in bulk display:

a) placards under paragraph 5.3.1.1.4 of ADN;

b) the orange-coloured plate under sub-section 5.3.2.1 of ADN;

c) the mark under section 5.3.3 of ADN (except MEGCs); and

d) the mark under section 5.3.6 of ADN;

and

3. ensure that a tank vessel is filled only with the dangerous goods in accordance with the list under paragraph 1.16.1.2.5 and that the date under sub-section 8.1.8.4 sentence 2 of ADN in the vessel's certificate of approval has not expired.

#### Section 23a

#### Obligations of the unloader

(1) As regards carriage by road and rail as well as inland waterways, the unloader shall:

1. ascertain under paragraph 1.4.3.7.1 of ADR/RID/ADN that the correct goods are unloaded by comparing the relevant information in the transport document with the information on the package, container, tank, MEMU, MEGC, vehicle, wagon or conveyance;
2. check under paragraph 1.4.3.7.1 of ADR/RID/ADN, before and during unloading, whether the packagings, the tank, the vehicle, the wagon, the conveyance or the container have been damaged to an extent which would endanger the unloading operation. If this is the case, he shall ascertain that unloading is not carried out until appropriate measures have been taken;
3. under paragraph 1.4.3.7.1 of ADR/RID/ADN, immediately following the unloading of the tank, vehicle, wagon, conveyance or container:
  - a) remove any dangerous residues which adhere to the outside of the tank, vehicle, wagon, conveyance or container after the process of unloading; and
  - b) ensure the closure of valves and inspection openings;
- 4) ensure under paragraph 1.4.3.7.1 of ADR/RID/ADN that the prescribed cleaning and decontamination of the vehicles, wagons, conveyances or containers is carried out;
5. ensure under paragraph 1.4.3.7.1 of ADR/RID/ADN that the vehicles, wagons, conveyances, containers, MEGCs, MEMUs, tank-containers and portable tanks once completely unloaded, cleaned, degassed and decontaminated, no longer display danger markings conforming to chapter 5.3 of ADR/RID/ADN; and
6. remove the warning mark under paragraph 5.5.2.3.4 of ADR/RID/ADN from the vehicle, wagon, conveyance, container, tank or MEGC once the fumigated cargo transport unit has been ventilated and unloaded.

(2) As regards carriage by inland waterways, the unloader shall:

1. under paragraph 1.4.3.7.1 of ADN concerning the unloading of cargo tanks:
  - a) complete his section of the check list referred to in sub-section 7.2.4.10 of ADN prior to the unloading of the cargo tanks of a tank vessel;
  - b) ascertain that provision has been made in the fore and aft section of the vessel for appropriate means for its evacuation in the event of an emergency;
  - c) ascertain that, when prescribed in paragraph 7.2.4.25.5 of ADN, there is a flame-arrester in the gas discharge pipe or the gas return pipe to protect the vessel against detonations and flame-fronts from the landward side;
  - d) ascertain that the unloading flows conform to the loading instructions referred to in paragraph 9.3.2.25.9 or 9.3.3.25.9 of ADN and that the pressure at the connecting-point of the gas discharge pipe or the gas return pipe does not exceed the opening pressure of the high velocity vent valve;
  - e) ascertain that the gaskets provided by him for the connecting flange of the ship/shore connections of the loading and unloading piping consist of a material which will not be damaged by the cargo nor causes a decomposition of the cargo nor forms harmful or dangerous components with it;
  - f) ascertain that during the entire duration of unloading a permanent and appropriate supervision is assured;
  - g) ascertain that, during unloading by means of the on-board pump, it is possible for the shore facility to switch it off; and

- ascertain under paragraph 1.4.3.7.1 of ADN concerning the bulk unloading of dangerous solids in vessels that provision has been made in the fore and aft sections of the vessel for appropriate means for its evacuation in the event of an emergency.

## **Section 24**

### **Obligations of the operator of a tank-container, portable tank, MEGC, bulk container or MEMU**

As regards carriage by road and rail as well as inland waterways, the operator of a tank-container, portable tank, MEGC, bulk container or MEMU shall ensure that:

- tank-containers, portable tanks, MEGCs and bulk containers display the orange-coloured plate marking under 5.3.2 of ADR/RID/ADN;
- even in between test dates tank-containers, portable tanks, MEGCs, and bulk containers comply with the provisions concerning construction, items of equipment and marking under sections 6.7.2, 6.7.3, 6.7.4, sub-sections 6.8.2.1, 6.8.2.2, 6.8.2.5, 6.8.3.1, 6.8.3.2, 6.8.3.5, sections 6.9.2, 6.9.3, 6.9.6, sub-sections 6.11.3.1, 6.11.3.2, and 6.11.3.4, and section 6.11.4 of ADR/RID with the exception of the substances and gases being carried which are to be named by the filler;
- subject to the provisions of paragraphs 6.7.2.19.7, 6.7.2.19.11, 6.7.3.15.7, 6.7.4.14.7, 6.7.4.14.12, 6.8.2.4.4, 6.8.3.4.14, and sub-section 6.9.5.2 of ADR/RID, an exceptional inspection and test is carried out;
- only tank-containers, portable tanks, or MEGCs are used whose shell has a thickness which complies with the requirements specified in paragraph 4.3.2.3.1, sub-sections 6.7.2.4, 6.7.3.4, 6.7.4.4 and paragraphs 6.8.2.1.17 to 6.8.2.1.21 of ADR/RID;
- MEGCs are not offered for filling under paragraph 4.2.4.5.6 of ADR/RID;



6. the pressure-relief devices of portable tanks are inspected under paragraph 4.2.1.17.1 of ADR/RID;
7. for tank-containers and MEGCs the tank record is maintained, retained, handed over to a new owner or operator, submitted to the competent authority upon request and made available to the expert under paragraph 4.3.2.1.7 of ADR/RID; and
8. MEMUs are examined and tested in accordance with paragraph 6.12.3.2.6 of ADR.

## **Section 25**

### **Obligations of the manufacturer and of the reconditioner of packagings and of the IBC inspection and test bodies**

(1) As regards carriage by road and rail as well as inland waterways, the manufacturer:

1. shall affix the marking under section 6.1.3, sub-sections 6.2.2.7, 6.2.2.8, 6.2.3.9, 6.2.3.10, sections 6.3.4, 6.5.2, and 6.6.3 of ADR/RID to mass- or individually produced packagings, receptacles, IBCs and large packagings only if these correspond to the approved design type and meet the incidental requirements specified in the approval;
2. shall inform the issuing competent authority of modifications to the approved design type under paragraph 6.2.2.5.4.10 (a) of ADR/RID; and
3. shall provide to the packer instructions on filling and closing the packages under paragraph 12 of packing instruction P 650 in sub-section 4.1.4.1 of ADR/RID.

(2) As regards carriage by road and rail as well as inland waterways, the reconditioner shall affix the marking under section 6.1.3 to reconditioned packagings

only if the packages have been reconditioned in accordance with the recognized quality assurance programme under sub-section 6.1.1.4 of ADR/RID, and if the incidental requirements specified in the approval certificate are complied with.

(3) The body which carries out inspections and tests of IBCs under sub-section 6.5.4.4 or 6.5.4.5 for carriage by road and rail as well as inland waterways, shall affix the marking under paragraphs 6.5.2.2.1 and 6.5.4.5.3 of ADR/RID to IBCs only if the IBCs have been tested in accordance with a recognized quality assurance programme, and if the incidental requirements specified in the approval certificate are complied with.

## **Section 26**

### **Other obligations**

(1) Anyone who offers uncleaned empty tanks for carriage, consigns them or undertakes their carriage shall ensure that:

1. no dangerous residue of the filling substance adheres to the outside of the empty tanks under paragraph 4.3.2.4.1 of ADR/RID; and
2. empty tanks not cleaned and not gas-free are closed in the same manner and are leakproof to the same degree as if they were full under paragraph 4.3.2.4.2 and sub-section 4.2.1.5 of ADR/RID.

(2) If a visual inspection of a tank under paragraph 1 no. 2 above reveals no obvious leakages, it may be assumed that filling and discharge devices not operated during the previous emptying operation continue to be leakproof.

## **Section 27**

### **Obligations applicable to several participants as regards carriage by road and rail as well as inland waterways**

(1) As regards carriage by road and rail as well as inland waterways, the loader, filler, carrier, consignee, and, as regards carriage by rail, the railway infrastructure manager shall ensure that in accordance with sub-section 1.8.5.1 of ADR/RID/ADN a report is submitted to:

1. the Federal Office for Goods Transport as regards carriage by road;
2. the Federal Railway Office as regards carriage by rail; and
3. the Central Ship Inspection Commission/Ship Measurement Office as regards carriage by inland waterways.

(2) As regards carriage by road and rail as well as inland waterways, the carrier, consignor and consignee shall, in accordance with sub-section 1.7.6.1 (b) of ADR/RID/ADN, in the event of a non-compliance with a limit applicable to radiation level or contamination investigate the non-compliance and its causes, circumstances and consequences and take appropriate action to remedy the causes and circumstances that led to the non-compliance and to prevent a recurrence of similar circumstances to those that led to the non-compliance, and shall ensure that:

1. for carriage by road the authority competent in accordance with Land law;
2. for carriage by federal railways the Federal Railway Office and by non-federally owned railways the authorities competent in accordance with Land law; and
3. for carriage by inland waterways the competent authority under Section 16 paragraph 7 no. 5

is informed.

(3) The parties involved in the carriage of dangerous goods by road, rail and inland waterways shall, commensurate with their responsibilities:

1. comply with the security provisions under chapter 1.10 and ensure that in particular the areas, sites, vehicle depots, berthing areas and marshalling yards specified in sub-section 1.10.1.3 of ADR/RID/ADN are properly secured, well lit and, where possible and appropriate, not accessible to the general public; and
2. ensure that:
  - a) security training is provided under sub-section 1.10.2.3 of ADR/RID/ADN; and
  - b) the records on the training of the employee under sub-section 1.10.2.4 of ADR/RID/ADN are kept for five years after their compilation.

(4) The clients of the consignor, consignors, packers, loaders, fillers, carriers, unloaders and consignees engaged in the carriage of high consequence dangerous goods by road, rail and inland waterways shall adopt, implement and comply with security plans under paragraph 1.10.3.2.1 which at least meet the requirements specified in paragraph 1.10.3.2.2 of ADR/RID/ADN.

(5) The parties involved in the carriage by road and rail as well as inland waterways shall ensure that:

1. the persons involved in the carriage of dangerous goods receive training under chapter 1.3 of ADR/RID/ADN; and
2. the records on the training of the employee under section 1.3.3 of ADR/RID/ADN are kept for five years after their compilation.

(6) The parties involved in the carriage by road and rail as well as inland waterways shall ensure that persons engaged in the handling of fumigated cargo transport units have received training under sub-section 5.5.2.2 of ADR/RID/ADN.

## Section 28

## Obligations of the driver as regards carriage by road

As regards carriage by road, the driver shall:

1. not carry a package the packaging of which is clearly not complete or damaged, especially if the dangerous good leaks or if there is a risk of its leaking;
2. comply with the restrictions on carriage under section 8.6.4 of ADR;
3. if he fills the tank-vehicle, demountable tank, tank swap body or battery-vehicle himself, comply with the maximum permissible filling ratio or the maximum mass of contents per litre of capacity and the permissible filling temperature indicated by the filler under sub-section 4.3.2.2, paragraphs 4.3.3.2.3 and 4.3.3.2.5 or the applicable special provisions in section 4.3.5 of ADR. For liquids with the exception of gases, he shall not exceed a filling ratio of 90 per cent if the filler cannot indicate the maximum permissible filling ratio;
4. comply with the provisions on:
  - a) the operation of tanks under sub-section 4.3.2.3 with the exception of paragraphs 4.3.2.3.1, 4.3.2.3.3 sentences 4 and 5 and 4.3.2.3.6 sentence 1, and sub-section 4.3.2.4, paragraphs 4.3.3.3.2 and 4.3.3.3.3, and special provisions TU 13 and TU 14 in section 4.3.5 of ADR; and
  - b) the additional requirements of chapter 8.5 of ADR applicable to him;
5. if he fills the tank-vehicle himself, check the leakproofness of the closures after filling in accordance with paragraph 4.3.2.3.3 sentences 4 and 5 of ADR;
6. affix the placards under sub-sections 5.3.1.3 to 5.3.1.6 and remove or cover them under paragraph 5.3.1.1.5 of ADR;

7. affix or uncover the orange-coloured plates under section 5.3.2 and the mark under sections 5.3.3 and 5.3.6, remove or cover the plates under paragraph 5.3.2.1.8, and remove the mark under section 5.3.6 of ADR;
8. take the actions prescribed in the instructions in writing under sub-section 5.4.3.4 of ADR;
9. ascertain that a warning mark is affixed to the vehicle, container or tank under paragraph 5.5.2.3.1 of ADR;
10. carry with him during carriage:
  - a) the accompanying documents under sub-sections 8.1.2.1 and 8.1.2.2 (a) and (c) and, for domestic transport operations in demountable tanks, the certificate on tests, inspections and checks of the demountable tank under paragraph 6.8.2.4.5 sentence 2 of ADR;
  - b) the certificate of driver's training under 8.2.2.8 of ADR;
  - c) the fire-fighting equipment under sub-sections 8.1.4.1 and 8.1.4.2 of ADR;
  - d) the items of equipment under section 8.1.5 of ADR; and
  - e) the derogation under Section 5 paragraph 1 sentence 1 no. 1, paragraphs 6 and 7and present them to competent persons for inspection if requested to do so;
11. comply with the requirements concerning the supervision of vehicles under chapter 8.4 in conjunction with chapter 8.5 of ADR, and, for domestic transport operations, the provisions of Annex 2 no. 3.3 to this Ordinance;
12. under paragraph 4.2.1.9.6 (b) or paragraph 4.3.2.3.5 of ADR remove dangerous residue of the filling substance adhering to the outside of the tank or have it

removed if he fills the tank-vehicle, demountable tank, battery-vehicle, tank-container, portable tank or MEGC himself;

13. while participating in road traffic with transport units subject to marking requirements, refrain from consuming alcoholic beverages and all substances which impair the performance of professional activities under the annex to section 24a of the Road Traffic Act, as amended, or not commence the journey with such goods if he is under the influence of such beverages or substances;
14. ensure that the connecting pipes and the filling and discharge pipes are empty during carriage under paragraph 4.3.4.2.2 of ADR;
15. if he fills or empties the tanks himself, earth the vehicle, portable tank or tank-container before and after filling it with or emptying it of the substances specified in section 7.5.10 of ADR in order to prevent electrostatic charges, and
16. comply with the requirements in chapter 8.3 of ADR.

## **Section 29**

### **Obligations applicable to several participants as regards carriage by road**

(1) As regards carriage by road, the loader and the driver shall comply with the provisions concerning loading and handling under sub-sections 7.5.1.1, 7.5.1.2, 7.5.1.3 sentence 2, sub-sections 7.5.1.4 and 7.5.1.5 and sections 7.5.2, 7.5.5, 7.5.7, 7.5.8 and 7.5.11 of ADR.

(2) As regards carriage by road, the loader, carrier, driver, unloader and consignee shall comply with the provisions concerning:

1. shading from direct sunlight and from the effect of heat sources as well as placement in adequately ventilated areas under special provision 314 (b) in section 3.3.1 of ADR;

2. carriage in packages under chapter 7.2 of ADR;
3. the prohibition of smoking under section 7.5.9 in conjunction with section 8.3.5 of ADR; and
4. the prohibition of smoking, fire and naked flame under paragraph 3 of additional requirement S1 in chapter 8.5 of ADR and, for domestic transport operations, under Annex 2 no. 3.1 to this Ordinance.

(3) As regards carriage by road, the loader, driver and unloader shall comply with the provisions under section 7.5.4 of ADR on precautions with respect to foodstuffs, other articles of consumption and animal feeds.

(4) As regards carriage by road, the loader, carrier and driver shall comply with the provisions on the loading in open or ventilated vehicles or marking under special provision CV 36 in section 7.5.11 of ADR.

(5) The participants in the carriage by road shall ensure that all persons involved in the carriage of dangerous goods by road receive training under section 8.2.3 of ADR.

### **Section 30**

#### **Obligations of the operator of a tank-wagon, demountable tank and battery-wagon as regards carriage by rail**

As regards carriage by rail, the operator of a tank-wagon, demountable tank and battery-wagon shall ensure that:

1. only tanks-wagons, demountable tanks and battery-wagons are used whose shell has a thickness which complies with the requirements specified in paragraph 4.3.2.3.1 in conjunction with paragraphs 6.8.2.1.3, and 6.8.2.1.17 to 6.8.2.1.20 and the applicable special provisions in section 6.8.4 of RID;



2. even in between test dates tank-wagons, demountable tanks and battery-wagons comply with the provisions concerning construction, items of equipment, and marking under sub-sections 6.8.2.1, 6.8.2.2, 6.8.2.5, 6.8.3.1, 6.8.3.2, and 6.8.3.5 and the applicable special provisions in section 6.8.4 of RID, with the exception of the substances and gases carried which are to be named by the filler;
3. in cases in accordance with the provisions of paragraphs 6.8.2.4.4 and 6.8.3.4.14 of RID, an exceptional inspection and test is carried out on the tank-wagons, demountable tanks and battery-wagons when the safety of the tank or of its equipment may have been impaired; and
4. for tank-wagons, demountable tanks and battery-wagons, the tank record is maintained, retained, handed over to a new owner or operator, submitted to the competent authority upon request and made available to the expert under paragraph 4.3.2.1.7 of RID.

### **Section 31**

#### **Obligations of the railway infrastructure manager as regards carriage by rail**

As regard carriage by rail, the railway infrastructure manager:

1. shall ensure that his personal is trained in accordance with sub-section 1.3.2.2 of RID, and
2. shall:
  - a) ensure that internal emergency plans for marshalling yards are drawn up under chapter 1.11 of RID; and
  - b) ensure that he has rapid and unrestricted access to the information under sub-section 1.4.3.6 (b) of RID.

## **Section 32**

### **Obligations of passengers as regards carriage by rail**

As regards carriage by rail, a passenger may only carry dangerous goods as hand luggage or registered luggage or have them carried in or on board motor vehicles (car on train) if the requirements under chapter 7.7 of RID are complied with.

## **Section 33**

### **Obligations of the shipmaster as regards carriage by inland waterways**

As regards carriage by inland waterways, the shipmaster:

1. shall comply with the general safety measures under section 1.4.1 of ADN;
2. shall ensure that the vessel or tank vessel is not overloaded or the individual cargo tank is not overfilled;
3. shall ascertain visually that the vessel or tank vessel and the cargo have no obvious defects, leakages or cracks, and that no items of equipment are missing;
4. shall ensure that each crew member concerned understands and is capable of carrying out the instructions in writing under section 5.4.3 of ADN;
5. shall take the actions prescribed in the instructions in writing under section 5.4.3 of ADN;
6. shall ensure that the requirements concerning loading, carriage, unloading and other handling of cargo under part 7 of ADN are complied with, with the exception of the requirements concerning the classification of tank vessels, manuals, notice boards and equipment;

7. shall check whether the owner or operator has fulfilled his obligations under Section 34;
8. shall carry with him during carriage:
  - a) the accompanying documents under sub-sections 8.1.2.1 to 8.1.2.3 of ADN; and
  - b) the derogation under Section 5 paragraphs 1 and 3;and present them to competent persons for inspection if requested to do so;
9. shall ensure that the requirements of chapter 8.3 of ADN are complied with, with the exception of the requirements on notice boards; and
10. shall, if he observes an infringement of the above requirements under nos. 1 to 9, not forward the consignment until the matter has been rectified.

### **Section 34**

#### **Obligations of the owner or operator as regards carriage by inland waterways**

As regards carriage by inland waterways, the owner or, if the vessel is chartered by an operator, the operator shall ensure that:

1. the requirements of part 7 of ADN concerning the classification of tank vessels, instructions for use, notice boards and equipment are complied with;
2. the requirements of chapter 8.1 of ADN are complied with;
3. an expert under sub-sections 8.2.1.2, 8.2.1.5, and 8.2.1.7 of ADN is on board;
4. the requirements of chapter 8.3 of ADN on notice boards are complied with; and
5. the rules of part 9 of ADN are complied with.

**Section 34a**  
**Obligations of the crew and other persons on board as regards carriage by inland waterways**

The crew as well as all other persons on board shall follow the instructions of the shipmaster. Within the framework of sentence 1, the crew shall contribute to complying with the present Ordinance.

Transport restrictions by the competent authorities in Germany of chapter 1.9.3:

### **Section 35**

#### **Routes and modal shift as regards carriage by road**

(1) Paragraphs 2 to 7 shall apply for the carriage by road of the goods mentioned in Annex 1 nos. 1 to 3 as determined therein. For the carriage by road of the flammable liquids of class 3 mentioned in Annex 1 no. 4, the provisions of paragraphs 2 and 3 shall apply, with the exception of carriage:

1. in packages including IBCs or large packagings;
2. in cylindrical tanks of an unreduced shell thickness under chapter 6.7 or chapter 6.8 of ADR which are designed for a calculation pressure of not less than 0.4 MPa (4 bar) or have been tested with a test pressure of not less than 0.4 MPa (4 bar) if this is certified in the ADR certificate of approval under sub-section 9.1.3.1 of ADR or in a special certificate of the tank manufacturer or an expert under Section 14 paragraph 4;
3. in tanks made with double walls under paragraph 6.8.2.1.20 (b) nos. 2 and 3 left column and paragraph 6.8.2.1.20 right column or in demountable tanks under paragraph 6.8.2.1.20 (b) last sentence left column of ADR; or
4. in other tanks than those described in nos. 2 and 3 above in quantities of up to 3,000 litres in the case of substances of packing group I, or up to 6,000 litres in the case of substances of packing group II over distances of up to 100 kilometres.

(2) Dangerous goods in accordance with paragraph 1 above shall be carried on motorways. This shall not apply when the use of the motorway is

1. unacceptable, especially if the distance when using the motorway is at least twice as long as the distance when using other suitable roads; or

2. excluded or restricted under the provisions of the Road Traffic Regulations or the holiday traffic regulations.

(3) The route off motorways is determined in writing by the road traffic authority for an individual journey, or, in case of comparable facts of the matter, for a limited or unlimited number of journeys within a determined period of not more than three years. The routeing may also be effected by general order which may be announced publicly and also without a time limit. In the case of closures, the signed diversion routes may be used even though they are not included in the routeing. The routeing shall be applied for to the competent road traffic authorities by the carrier, consignor, loader, filler or consignee. The carrier shall only carry the dangerous goods if a routeing has been granted. He shall ensure that the notice on the routeing is provided to the driver before the commencement of the journey. The driver shall comply with the routeing and shall carry it on board the vehicle during carriage and present it to competent persons if requested to do so.

(4) Goods in accordance with Annex 1 may:

1. not be carried by road if it is possible to load or unload the dangerous good at a railway siding or a port, unless the distance by rail or waterways is at least twice as long as the actual distance by road;
2. be carried by road to or from the nearest suitable railway station or port only if the dangerous good:
  - a) can be loaded in tank-containers, portable tanks or large containers, the total transport route within the area of application of this Ordinance is more than 200 kilometres long, and it is possible to carry the container or the portable tanks by rail or ship on the larger section of the route; or
  - b) is to be loaded into road vehicles and can be carried by piggyback transport, the total transport route within the area of application of this Ordinance is more than 400 kilometres long, and it is possible to carry the road vehicle by rail on the larger section of the route.

(5) In the case of carriage by road of goods specified in Annex 1, with the exception of transport operations under paragraph 4 no. 2 above, the carrier shall demonstrate by a certificate of the Federal Railway Office that the use of rail sidings, containerized or piggyback transport under paragraph 4 above is not possible. For containerized transport, the carrier shall also demonstrate by a certificate of a Waterways and Shipping Directorate that containerized transport by water is not possible. The certificate shall be applied for by the carrier, consigner, loader or consignee. For cross-border transport operations, the certificates under sentences 1 and 2 above may also be issued by the authority competent in accordance with Land law. The consignor, loader, filler and consignee shall, upon request, provide to the Federal Railway Office, the Waterways and Shipping Directorates or the competent authorities in accordance with Land law the information required to establish if the requirements of paragraph 4 above are satisfied. The provisions in sentences 1 and 2 above shall not apply to carriage by road between the loader or consignee and the nearest suitable railway station, or inland or sea port.

(6) For carriage to or from the nearest train station or port under paragraph 4 no. 2 above, the carrier shall indicate in the transport document the name of the train station or the port and also include the following entry: "Carriage under Section 35 paragraph 4 no. 2 of GGVSEB". For transport operations in connection with piggyback transport under paragraph 4 no. 2 b) above, the participation in the piggyback transport operation shall be proven by means of a booking confirmation of the railway or the bodies commissioned by it for the delivery operation by road, and by means of the transport document for the dispatch operation by road.

(7) The carrier shall ensure that the certificates specified in paragraph 5 sentences 1 and 2 above, the booking confirmation, or the transport document for carriage by rail under paragraph 6 sentence 2 above are/is provided to the driver prior to the commencement of the journey. The driver shall carry with him during carriage the certificates, the booking reservation or the transport document for carriage by rail, and shall present them to competent persons for inspection if requested to do so.

**Annex 1**  
**(ad Section 35)**

**Dangerous goods whose domestic and international carriage is subject to Section 35**

1. Section 35 shall apply to the dangerous goods of classes 1, 4.1 and 6.1 listed in Table 1 which are carried in packages (including IBCs) or large packagings of not less than 1,000 kg net mass – in the case of explosive substances net explosive mass – of the substance or article within a transport unit . If various of those goods of class 1 are carried in quantities of less than 1,000 kg (net explosive mass) in a transport unit, Section 35 shall only be applied if the total mass (net explosive mass) of these goods is 1,000 kg or more.

**Table 1**

Class	UN number and proper shipping name of substances and articles
1	<p>Articles:</p> <p>0005 CARTRIDGES FOR WEAPONS with bursting charge</p> <p>0006 CARTRIDGES FOR WEAPONS with bursting charge</p> <p>0029 DETONATORS, NON-ELECTRIC for blasting</p> <p>0033 BOMBS with bursting charge</p> <p>0034 BOMBS with bursting charge</p> <p>0037 BOMBS, PHOTO-FLASH</p> <p>0038 BOMBS, PHOTO-FLASH</p> <p>0042 BOOSTERS without detonator</p> <p>0043 BURSTERS, explosive</p> <p>0048 CHARGES, DEMOLITION</p> <p>0049 CARTRIDGES, FLASH</p> <p>0056 CHARGES, DEPTH</p> <p>0059 CHARGES, SHAPED without detonator</p> <p>0060 CHARGES, SUPPLEMENTARY, EXPLOSIVE</p> <p>0073 DETONATORS FOR AMMUNITION</p> <p>0099 FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells</p> <p>0124 JET PERFORATING GUNS, CHARGED, oil well, without detonator</p> <p>0136 MINES with bursting charge</p> <p>0137 MINES with bursting charge</p> <p>0167 PROJECTILES with bursting charge</p> <p>0168 PROJECTILES with bursting charge</p> <p>0180 ROCKETS with bursting charge</p> <p>0181 ROCKETS with bursting charge</p> <p>0192 SIGNALS, RAILWAY TRACK, EXPLOSIVE</p> <p>0196 SIGNALS, SMOKE</p>
	<p>0221 WARHEADS, TORPEDO with bursting charge</p> <p>0271 CHARGES, PROPELLING</p>



Class	UN number and proper shipping name of substances and articles
0279	CHARGES, PROPELLING, FOR CANNON
0280	ROCKET MOTORS
0284	GRENADES, hand or rifle, with bursting charge
0286	WARHEADS, ROCKET with bursting charge
0288	CHARGES, SHAPED, FLEXIBLE, LINEAR
0290	CORD (FUZE), DETONATING, metal clad
0292	GRENADES, hand or rifle, with bursting charge
0296	SOUNDING DEVICES, EXPLOSIVE
0326	CARTRIDGES FOR WEAPONS, BLANK
0329	TORPEDOES with bursting charge
0330	TORPEDOES with bursting charge
0333	FIREWORKS
0354	ARTICLES, EXPLOSIVE, N.O.S.
0369	WARHEADS, ROCKET with bursting charge
0374	SOUNDING DEVICES, EXPLOSIVE
0397	ROCKETS, LIQUID FUELLED with bursting charge
0399	BOMBS WITH FLAMMABLE LIQUID with bursting charge
0408	FUZES, DETONATING with protective features
0442	CHARGES, EXPLOSIVE, COMMERCIAL without detonator
0449	TORPEDOES, LIQUID FUELLED with or without bursting charge
0451	TORPEDOES with bursting charge
0457	CHARGES, BURSTING, PLASTICS BONDED
0461	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
0462	ARTICLES, EXPLOSIVE, N.O.S.
0463	ARTICLES, EXPLOSIVE, N.O.S.
0464	ARTICLES, EXPLOSIVE, N.O.S.
0465	ARTICLES, EXPLOSIVE, N.O.S.
	Substances:
0004	AMMONIUM PICRATE dry or wetted with less than 10% water, by mass
0027	BLACK POWDER (GUNPOWDER), granular or as a meal
0072	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED with not less than 15% water, by mass
0076	DINITROPHENOL, dry or wetted with less than 15% water, by mass
0078	DINITRORESORCINOL, dry or wetted with less than 15% water, by mass
0079	HEXANITRODIPHENYLAMINE (DIPICRYLAMINE; HEXYL)
0081*)	EXPLOSIVE, BLASTING, TYPE A
0118	HEXOLITE (HEXOTOL), dry or wetted with less than 15% water, by mass
0147	NITRO UREA
0150	PENTAERYTHRITOL TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), WETTED with not less than 25% water, by mass, or DESENSITIZED with not less than 15% phlegmatizer, by mass
0151	PENTOLITE, dry or wetted with less than 15% water, by mass
0153	TRINITROANILINE (PICRAMIDE)
0154	TRINITROPHENOL (PICRIC ACID), dry or wetted with less than 30% water, by mass
0155	TRINITROCHLOROBENZENE (PICRYL CHLORIDE)

Class	UN number and proper shipping name of substances and articles
	<p>0160 POWDER, SMOKELESS</p> <p>0207 TETRANITROANILINE</p> <p>0208 TRINITROPHENYLETHYLNITRAMINE (TETRYL)</p> <p>0213 TRINITROANISOLE</p> <p>0214 TRINITROBENZENE, dry or wetted with less than 30% water, by mass</p> <p>0215 TRINITROBENZOIC ACID, dry or wetted with less than 30% water, by mass</p> <p>0216 TRINITRO-m-CRESOL</p> <p>0217 TRINITRONAPHTHALENE</p> <p>0218 TRINITROPHENETOLE</p> <p>0219 TRINITRORESORCINOL (STYPHNIC ACID), dry or wetted with less than 20% water, or mixture of alcohol and water, by mass</p> <p>0226 CYCLOTETRAMETHYLENETETRAMINE (HMX; OCTOGEN), WETTED with not less than 15% water, by mass</p> <p>0282 NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass</p> <p>0357 SUBSTANCES, EXPLOSIVE, N.O.S.</p> <p>0385 5-NITROBENZOTRIAZOL</p> <p>0386 TRININTROBENZENESULPHONIC ACID</p> <p>0387 TRINITROFLUORENONE</p> <p>0388 TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURE or TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURE</p> <p>0389 TRINITROTOLUENE (TNT) MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE</p> <p>0392 HEXANITROSTILBENE</p> <p>0394 TRINITRORESORCINOL (STYPHNIC ACID), WETTED with not less than 20% water, or mixture of alcohol and water, by mass</p> <p>0401 DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass</p> <p>0411 PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) with not less than 7% wax, by mass</p> <p>0474 SUBSTANCES, EXPLOSIVE, N.O.S.</p> <p>0475 SUBSTANCES, EXPLOSIVE, N.O.S.</p> <p>0476 SUBSTANCES, EXPLOSIVE, N.O.S.</p> <p>0483 CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), DESENSITIZED</p> <p>0484 CYCLOTETRAMETHYLENE-TETRA-NITRAMINE (HMX; OCTOGEN), DESENSITIZED</p> <p>*) containing more than 40% liquid nitric esters, by mass (see also SP 616)</p>
4.1	<p>3364 TRINITROPHENOL (PICRIC ACID), WETTED with not less than 10% water, by mass</p> <p>3365 TRINITROCHLOROBENZENE (PICRYL CHLORIDE), WETTED with not less than 10% water, by mass</p> <p>3367 TRINITROBENZENE, WETTED with not less than 10% water, by mass</p> <p>3368 TRINITROBENZOIC ACID, WETTED with not less than 10% water, by mass</p>

Class	UN number and proper shipping name of substances and articles
6.1	All polychlorinated dibenzo-para-dioxins and -furans of UN nos. 2810 and 2811 of packing group I mentioned in Annex 2 no. 1.2

2. Section 35 shall apply to the following flammable; toxic; toxic and flammable; toxic and corrosive; toxic, oxidizing and corrosive substances of class 2:

2.1 Section 35 shall apply to the substances listed in Table 2.1 with a net mass of 6,000 kg or more per transport unit.

**Table 2.1**

UN number and proper shipping name of substances
1011 BUTANE
1012 BUTYLENES MIXTURE or 1-BUTYLENE or cis-2-BUTYLENE or trans-2-BUTYLENE
1027 CYCLOPROPANE
1055 ISOBUTYLENE
1077 PROPYLENE
1965 HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. such as mixtures A, A01, A02, A0, A1, B1, B2, B or C
1969 ISOBUTANE
1978 PROPANE
2035 1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)

Remarks:

1. Section 35 paragraph 5 shall not apply to the carriage of gas mixtures of UN no. 1965 over distances of up to 100 kilometres to consumers who do not have a rail siding.
2. Section 35 shall not apply to the substances listed in Table 2.1 if these substances are contained in the prescribed steel cylinders with a capacity not exceeding 150 litres or in receptacles with a capacity of more than 100 litres but not more than 1,000 litres.
3. Section 35 shall not apply to the carriage of gas mixtures of UN no. 1965 in fixed tanks (tank-vehicles), demountable tanks, portable tanks and tank-containers - hereinafter called tanks - if the following conditions are fulfilled:
  - 3.1 For carriage of up to 9,000 kg net mass if:
    - a) tanks are used whose wall thickness meets at least the provisions of chapters 6.7 or 6.8; or
    - b) tanks are used which may still be used according to the transitional provisions under Annex 2 no. 2.2 and under sub-sections 1.6.3.1 to 1.6.3.7, and if one of the following additional requirements under aa) or bb) is complied with:
      - aa) The tanks shall have an outer solid insulation with a sandwich cover.
      - bb) The vehicles shall be equipped at least with an anti-lock braking system under section 41 paragraph 18 or section 41b of the Road Traffic Registration Regulations (StVZO).
  - 3.2 For carriage of more than 9,000 kg but not more than 11,000 kg net mass if:

- a) tanks are used whose wall thickness meets the provisions in no. 3.1 a) above and if of the requirements under no. 3.1 b) above either aa) or bb) is complied with; or
- b) tanks are used whose wall thickness meets the provisions in no. 3.1 b) and if of the requirements under no. 3.1 b) above either aa) or bb) is complied with.

3.3 The inspection bodies under Section 12 shall enter in the ADR certificate of approval of the tank-vehicles and of the tractors of these vehicles under sub-section 9.1.3.1 of ADR and in the inspection and test certificate for demountable tanks under paragraph 6.8.2.4.5 which of the requirements of nos. 3.1 and 3.2 above are complied with.

2.2 Section 35 shall apply to the substances listed in Table 2.2 with a net mass of 1,000 kg or more per transport unit.

**Table 2.2**

UN number and proper shipping name of substances	
1005	AMMONIA, ANHYDROUS
1010	BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l
1017	CHLORINE
1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)
1032	DIMETHYLAMINE, ANHYDROUS
1033	DIMETHYL ETHER
1035	ETHANE
1036	ETHYLAMINE
1037	ETHYL CHLORIDE
1038	ETHYLENE, REFRIGERATED LIQUID
1040	ETHYLENE OXIDE
1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1MPa (10 bar) at 50 °C
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide
1045	FLUORINE, COMPRESSED
1048	HYDROGEN BROMIDE, ANHYDROUS
1050	HYDROGEN CHLORIDE, ANHYDROUS
1053	HYDROGEN SULPHIDE
1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED such as mixture P1 or mixture P2
1061	METHYLAMINE, ANHYDROUS
1062	METHYL BROMIDE with not more than 2% chloropicrin
1063	METHYL CHLORIDE (REFRIGERANT GAS R 40)
1064	METHYL MERCAPTAN
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)
1076	PHOSGENE
1079	SULPHUR DIOXIDE
1082	TRIFLUOROCHLOROETHYLENE, STABILIZED

UN number and proper shipping name of substances	
1083	TRIMETHYLAMINE, ANHYDROUS
1085	VINYL BROMIDE, STABILIZED
1086	VINYL CHLORIDE, STABILIZED
1087	VINYL METHYL ETHER, STABILIZED
1581	CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin
1582	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE
1741	BORON TRICHLORIDE
1860	VINYL FLUORIDE, STABILIZED
1912	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE
1959	1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)
1961	ETHANE, REFRIGERATED LIQUID
1962	ETHYLENE
1966	HYDROGEN, REFRIGERATED LIQUID
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content
2517	1-CHLORO-1,1-DIFLUOROETHANE (REFRIGERANT GAS R 142b)
3138	ETHYLENE, ACETYLENE AND PROPYLENE IN MIXTURE, REFRIGERATED LIQUID, containing at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6% propylene
3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide
3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.

Remarks:

1. Section 35 paragraph 4 no. 2 shall not apply to the carriage of gases of UN Nos. 1038, 1961, 1966, 1972, 3138, and 3312.
2. Section 35 shall not apply to the substances listed in Table 2.2 – with the exception of UN no. 1045 fluorine, compressed, and the refrigerated liquefied gases of UN nos. 1038, 1961, 1966, 1972, 3138, and 3312 – if these substances are contained in the prescribed steel cylinders of a capacity not exceeding 150 litres, or in receptacles of a capacity of more than 100 litres but not more than 1,000 litres.

3. Section 35 shall apply to the liquids of classes 3, 4.2, 4.3, 5.1, 6.1, and 8 of packing group I listed in Table 3 with a net mass of 1,000 kg or more if these liquids are carried in fixed tanks or demountable tanks or tank-containers or portable tanks with an individual capacity exceeding 3,000 litres.

**Table 3**

Class	UN number and proper shipping name of substances
3	1093 ACRYLONITRILE, STABILIZED 1099 ALLYL BROMIDE 1100 ALLYL CHLORIDE 1131 CARBON DISULPHIDE 1921 PROPYLENEIMINE, STABILIZED 3079 METHACRYLONITRILE, STABILIZED
4.2	3394 ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE
4.3	1928 METHYL MAGNESIUM BROMIDE IN ETHYL ETHER 3399 ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE
5.1	1510 TETRANITROMETHANE 1745 BROMINE PENTAFLUORIDE 1746 BROMINE TRIFLUORIDE 1873 PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass 2015 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide and not more than 70% hydrogen peroxide 2015 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED, with more than 70% hydrogen peroxide

Class	UN number and proper shipping name of substances
6.1	1092 ACROLEIN, STABILIZED 1098 ALLYL ALCOHOL 1135 ETHYLENE CHLOROHYDRIN 1182 ETHYL CLOROFORMATE 1185 ETHYLENEIMINE, STABILIZED 1238 METHYL CHLOROFORMATE 1259 NICKEL CARBONYL 1541 ACETONE CYANOHYDRIN, STABILIZED 1553 ARSENIC ACID, LIQUID 1556 ARSENIC COMPOUND, LIQUID, N.O.S., inorganic including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s. 1560 ARSENIC TRICHLORIDE 1580 CHLOROPICRIN 1595 DIMETHYL SULPHATE 1613 HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide 1649 MOTOR FUEL ANTI-KNOCK MIXTURE 1670 PERCHLOROMETHYL MERCAPTAN 1672 PHENYLCARBYLAMINE CHLORIDE 1694 BROMOBENZYL CYANIDES, LIQUID 1722 ALLYL CHLOROFORMATE 1935 CYANIDE SOLUTION, N.O.S. 1994 IRON PENTACARBONYL 2334 ALLYAMINE 2337 PHENYL MERCAPTAN 2382 DIMETHYLHYDRAZINE, SYMMETRICAL 2558 EPIBROMOHYDRIN 2606 METHYL ORTHOSILICATE 2810 TOXIC LIQUID, ORGANIC, N.O.S. (all polychlorinated dibenzo-para-dioxins and -furans listed by name) 3017 ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C 3018 ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC
8	1052 HYDROGEN FLOURIDE, ANHYDROUS 1739 BENZYL CHLOROFORMATE 1744 BROMINE or BROMINE SOLUTION 1777 FLUOROSULPHONIC ACID 1790 HYDROFLUORIC ACID with more than 60% but not more than 85% hydrogen fluoride 1790 HYDROFLUORIC ACID with more than 85% hydrofluoric acid 1829 SULPHUR TRIOXIDE, STABILIZED 2699 TRIFLUOROACETIC ACID

4. In accordance with Section 35 paragraph 1, paragraphs 2 and 3 of that Section shall apply to the following flammable liquids of class 3 which are subject to packing group I or II.

**Table 4**

UN number and proper shipping name of substances	
1088	ACETAL
1089	ACETALDEHYDE
1090	ACETONE
1091	ACETONE OILS
1105	PENTANOLS
1107	AMYL CHLORIDE
1108	1-PENTENE (n-AMYLENE)
1111	AMYL MERCAPTAN
1113	AMYL NITRITE
1114	BENZENE
1120	BUTANOLS
1123	BUTYL ACETATES
1126	1-BROMOBUTANE
1127	CHLOROBUTANES
1128	n-BUTYL FORMATE
1129	BUTYRALDEHYDE
1133	ADHESIVES containing flammable liquid
1133	ADHESIVES containing flammable liquid (vapour pressure at 50 °C more than 110 kPa)
1133	ADHESIVES containing flammable liquid (vapour pressure at 50 °C not more than 110 kPa)
1136	COAL TAR DISTILLATES, FLAMMABLE
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (vapour pressure at 50 °C more than 110 kPa)
1144	CROTONYLENE
1145	CYCLOHEXANE
1146	CYCLOPENTANE
1148	DIACETONE ALCOHOL
1150	1,2-DICHLOROETHYLENE
1155	DIETHYL ETHER (ETHYL ETHER)
1156	DIETHYL KETONE
1159	DIISOPROPYL ETHER
1161	DIMETHYL CARBONATE
1164	DIMETHYL SULPHIDE
1165	DIOXANE
1166	DIOXOLANE
1167	DIVINYL ETHER, STABILIZED
1169	EXTRACTS, AROMATIC, LIQUID



- 1169 EXTRACTS, AROMATIC, LIQUID (vapour pressure at 50 °C more than 110 kPa)
- 1170 ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
- 1173 ETHYL ACETATE
- 1175 ETHYLBENZENE
- 1176 ETHYL BORATE
- 1178 2-ETHYLBUTYRALDEHYDE
- 1179 ETHYL BUTYL ETHER
- 1190 ETHYL FORMATE
- 1193 ETHYL METHYL KETONE (METHYL ETHYL KETONE)
- 1195 ETHYL PROPIONATE
- 1197 EXTRACTS, FLAVOURING, LIQUID
- 1197 EXTRACTS, FLAVOURING, LIQUID (vapour pressure at 50 °C more than 110 kPa)
- 1197 EXTRACTS, FLAVOURING, LIQUID (vapour pressure at 50 °C not more than 110 kPa)
- 1201 FUSEL OIL
- 1203 MOTOR SPIRIT or GASOLINE or PETROL
- 1206 HEPTANES
- 1208 HEXANES
- 1210 PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable
- 1210 PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (vapour pressure at 50 °C more than 110 kPa)
- 1210 PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (vapour pressure at 50 °C not more than 110 kPa)
- 1213 ISOBUTYL ACETATE
- 1216 ISOOCTENES
- 1218 ISOPRENE, STABILIZED
- 1219 ISOPROPANOL (ISOPROPYL ALCOHOL)
- 1220 ISOPROPYL ACETATE
- 1222 ISOPROPYL NITRATE
- 1224 KETONES, LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa)
- 1224 KETONES, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
- 1231 METHYL ACETATE
- 1234 METHYLAL
- 1237 METHYL BUTYRATE
- 1243 METHYLE FORMATE
- 1245 METHYL ISOBUTYL KETONE
- 1246 METHYL ISOPROPENYL KETONE, STABILIZED
- 1247 METHYL METHACRYLATE MONOMER, STABILIZED
- 1248 METHYL PROPIONATE
- 1249 METHYL PROPYL KETONE
- 1261 NITROMETHANE
- 1262 OCTANES
- 1263 PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
- 1263 PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler

- and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa)
- 1265 PENTANES, liquid
- 1266 PERFUMERY PRODUCTS with flammable solvents
- 1266 PERFUMERY PRODUCTS with flammable solvents (vapour pressure at 50 °C more than 110 kPa)
- 1267 PETROLEUM CRUDE OIL
- 1268 PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.
- 1268 PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (vapour pressure at 50 °C more than 110 kPa)
- 1268 PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
- 1274 n-PROPANOL (PROPYL ALCOHOL, NORMAL)
- 1275 PROPIONALDEHYDE
- 1276 n-PROPYL ACETATE
- 1278 1-CHLOROPROPANE
- 1279 1,2-DICHLOROPROPANE
- 1280 PROPYLENE OXIDE
- 1281 PROPYL FORMATES
- 1282 PYRIDINE
- 1286 ROSIN OIL
- 1286 ROSIN OIL (vapour pressure at 50 °C more than 110 kPa)
- 1286 ROSIN OIL (vapour pressure at 50 °C not more than 110 kPa)
- 1287 RUBBER SOLUTION
- 1287 RUBBER SOLUTION (vapour pressure at 50 °C more than 110 kPa)
- 1287 RUBBER SOLUTION (vapour pressure at 50 °C not more than 110 kPa)
- 1288 SHALE OIL
- 1293 TINCTURES, MEDICINAL
- 1294 TOLUENE
- 1300 TURPENTINE SUBSTITUTE
- 1301 VINYL ACETATE, STABILIZED
- 1302 VINYL ETHYL ETHER, STABILIZED
- 1303 VINYLIDENE CHLORIDE, STABILIZED
- 1304 VINYL ISOBUTYL ETHER, STABILIZED
- 1306 WOOD PRESERVATIVES, LIQUID (vapour pressure at 50 °C more than 110 kPa)
- 1306 WOOD PRESERVATIVES, LIQUID (vapour pressure at 50 °C not more than 110 kPa)
- 1307 XYLENES
- 1308 ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID
- 1308 ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C more than 110 kPa)
- 1308 ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C not more than 110 kPa)
- 1648 ACETONITRILE
- 1862 ETHYL CROTONATE
- 1863 FUEL, AVIATION, TURBINE ENGINE
- 1863 FUEL, AVIATION, TURBINE ENGINE (vapour pressure at 50 °C more than 110 kPa)
- 1863 FUEL, AVIATION, TURBINE ENGINE (vapour pressure at 50 °C not more than 110 kPa)
- 1865 n-PROPYL NITRATE

1866 RESIN SOLUTION, flammable  
 1866 RESIN SOLUTION, flammable (vapour pressure at 50 °C more than 110 kPa)  
 1866 RESIN SOLUTION, flammable (vapour pressure at 50 °C not more than 110 kPa)  
 1917 ETHYL ACRYLATE, STABILIZED  
 1919 METHYL ACRYLATE, STABILIZED  
 1987 ALCOHOLS, N.O.S. (vapour pressure at 50 °C more than 110 kPa)  
 1987 ALCOHOLS, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)  
 1989 ALDEHYDES, N.O.S.  
 1989 ALDEHYDES, N.O.S. (vapour pressure at 50 °C more than 110 kPa)  
 1989 ALDEHYDES, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)  
 1993 FLAMMABLE LIQUID, N.O.S.  
 1993 FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa)  
 1993 FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)  
 1999 TARS, LIQUID, including road oils, and cutback bitumens (vapour pressure at 50 °C more than 110 kPa)  
 1999 TARS, LIQUID, including road oils, and cutback bitumens (vapour pressure at 50 °C not more than 110 kPa)  
 2045 ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)  
 2047 DICHLOROPROPENES  
 2050 DIISOBUTYLENE, ISOMERIC COMPOUNDS  
 2056 TETRAHYDROFURAN  
 2057 TRIPROPYLENE  
 2058 VALERALDEHYDE  
 2059 NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose  
 2059 NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose (vapour pressure at 50 °C more than 110 kPa)  
 2059 NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose (vapour pressure at 50 °C not more than 110 kPa)  
 2241 CYCLOHEPTANE  
 2242 CYCLOHEPTENE  
 2246 CYCLOPENTENE  
 2251 BICYCLO[2.2.1]HEPTA-2,5-DIENE, STABILIZED (2,5-NORBORNADIENE, STABILIZED)  
 2252 1,2-DIMETHOXYETHANE  
 2256 CYCLOHEXENE  
 2263 DIMETHYLCYCLOHEXANES  
 2277 ETHYL METHACRYLATE, STABILIZED  
 2278 n-HEPTENE  
 2287 ISOHEPTENE  
 2288 ISOHEXENE  
 2296 METHYLCYCLOHEXANE  
 2298 METHYLCYCLOPENTANE  
 2301 2-METHYLFURAN  
 2309 OCTADIENES  
 2338 BENZOTRIFLUORIDE  
 2339 2-BROMOBUTANE  
 2340 2-BROMOETHYL ETHYL ETHER  
 2342 BROMOMETHYLPROPANES

2343 2-BROMOPENTANE  
2344 BROMOPROPANES  
2345 3-BROMOPROPYNE  
2346 BUTANEDIONE  
2347 BUTYL MERCAPTAN  
2350 BUTYL METHYL ETHER  
2351 BUTYL NITRITES  
2352 BUTYL VINYL ETHER, STABILIZED  
2356 2-CHLOROPROPANE  
2358 CYCLOOCTATETRAENE  
2362 1,1-DICHLOROETHANE  
2363 ETHYL MERCAPTAN  
2367 alpha-METHYLVALERALDEHYDE  
2370 1-HEXENE  
2371 ISOPENTENES  
  
2372 1,2-DI-(DIMETHYLAMINO) ETHANE  
2373 DIETHOXYMETHANE  
2374 3,3-DIETHOXYPROPENE  
2375 DIETHYL SULPHIDE  
2376 2,3-DIHYDROPIRAN  
2377 1,1-DIMETHOXYETHANE  
2380 DIMETHYLDIETHOXYMETHANE  
2381 DIMETHYL DISULPHIDE  
2384 DI-n-PROPYL ETHER  
2385 ETHYL ISOBUTYRATE  
  
2387 FLUOROBENZENE  
2388 FLUOROTOLUENES  
2389 FURAN  
2390 2-IODOBUTANE  
2391 ISOMETHYLPROPANES  
2393 ISOBUTYL FORMATE  
2397 3-METHYLBUTAN-2-ONE  
2398 METHYL tert-BUTYL ETHER  
2400 METHYL ISOVALERATE  
  
2402 PROPANETHIOLS  
2403 ISOPROPENYL ACETATE  
2406 ISOPROPYL ISOBUTYRATE  
2409 ISOPROPYL PROPIONATE  
2410 1,2,3,6-TETRAHYDROPIRIDINE  
2412 TETRAHYDROTHIOPHENE  
2414 THIOPHENE  
2416 TRIMETHYL BORATE  
2436 THIOACETIC ACID  
2456 2-CHLOROPROPENE  
2457 2,3-DIMETHYLBUTANE  
2458 HEXADIENES  
2459 2-METHYL1-BUTENE  
2460 2-METHYL2-BUTENE  
2461 METHYLPENTADIENE  
2536 METHYLTETRAHYDROFURAN

2554	METHYLALLYL CHLORIDE
2561	3-METHYL1-BUTENE
2612	METHYL PROPYL ETHER
2615	ETHYL PROPYL ETHER
2616	TRIISOPROPYL BORATE
2707	DIMETHYLDIOXANES
2749	TETRAMETHYLSILANE
2838	VINYL BUTYRATE, STABILIZED
3022	1,2-BUTYLENE OXIDE, STABILIZED
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume
3269	POLYESTER RESIN KIT
3271	ETHERS, N.O.S.
3272	ESTERS, N.O.S.
3295	HYDROCARBONS, LIQUID, N.O.S.
3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa)
3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C more than 110 kPa)
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)