



JT/T 617.6-2018

## **Regulations Concerning Road Transportation of Dangerous Goods - Part 6: Provisions concerning the conditions of carriage, loading, unloading and handling**

危险货物道路运输规则 第6部分：装卸条件及作业要求

Ministry of Transport of the People's Republic of China

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People's Republic of China Transportation Industry  
Standard

JT/T 617.6-2018

Regulations Concerning Road Transportation of Dangerous  
Goods-

Part 6: Provisions concerning the conditions of carriage,  
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第 6 部分： 装卸条件及作业要求

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## Foreword

JT/T 617 “Regulations Concerning Road Transportation of Dangerous Goods” consists of seven parts:

- Part 1: General rule;
- Part 2: Classification;
- Part 3: Index of dangerous goods name and transportation requirement;
- Part 4: Provisions for the use of transport packaging;
- Part 5: Consignment;
- Part 6: Provisions concerning the conditions of carriage, loading, unloading and handling;
- Part 7: Transport conditions and operational requirements.

This part is the sixth part of JT/T 617.

This section is drafted in accordance with the rules given in GB/T 1.1-2009.

This part is proposed by the Department of Transportation Services of the Ministry of Transport.

This part is under the jurisdiction of the National Road Transport Standardization Technical Committee (SAC/TC 52 1).

This section was drafted by: Highway Science Research Institute of the Ministry of Transport, BASF (China) Co., Ltd., Wanhua Chemical Group Co., Ltd., SinoTrans Chemical International Logistics Co., Ltd., China Nuclear Industry Corporation, Covestro Polymers (China) Limited Company, Lianhua Technology Co., Ltd., Beijing Jiaotong University, Chang'an University, Scientific Research Institute of the Ministry of Transport, China Classification Society Certification Company.

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## Regulations Concerning Road Transportation of Dangerous Goods

### Part 6: Provisions concerning the conditions of carriage, loading, unloading and handling

#### 1 Scope

This part of T/T 617 specifies the general requirements for loading and unloading operations for dangerous goods road transport, package transport handling conditions, bulk transport handling conditions, tank transport handling conditions and loading and unloading operations requirements.

This section applies to the loading and unloading operations of the road transport of dangerous goods.

#### 2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

GB11806	Radioactive Material Safety Transportation Regulations
GB 21668	Structural requirements for dangerous goods transport vehicles
GB 19434	Safety specification for inspection of intermediate bulk containers for dangerous goods
GB 19434.5	Inspection of safety specifications for metal intermediate bulk containers of dangerous goods
GB 19434.6	Inspection of safety specifications for dangerous goods composite intermediate bulk containers
GB 19434.8	Dangerous goods rigid plastics – Intermediate bulk containers
GB/T 27864	Vibration test of medium-sized bulk containers for dangerous goods packaging

**JT/T 617.6-2018**

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- JT/T 617.1-2018 Regulations Concerning Road Transportation of Dangerous Goods – Part 1: General Provisions
- JT/T 617.2-2018 Regulations Concerning Road Transportation of Dangerous Goods – Part 2: Classification
- JT/T 617.3-2018 Regulations Concerning Road Transportation of Dangerous Goods – Part 3: Index of Dangerous goods name and transportation requirement
- JT/T617.4-2018 Regulations Concerning Road Transportation of Dangerous Goods – Part 4: Provisions for the use of transport packagings
- JT/T6 17.5-2018 Regulations Concerning Road Transportation of Dangerous Goods – Part 5: Consignment
- JT/T 617.7-2018 Regulations Concerning Road Transportation of Dangerous Goods – Part 7: Transport conditions and operational requirements

The International Convention for Safe Containers (CSC), 1972)

The Code of International Union of Railways (UIC)

### **3 Terms and definitions**

Terms and definitions in Appendix A of JT/T 617.1-2008 apply to this document.

### **4 General requirements**

**4.1** The selection and loading and unloading of transportation equipment shall comply with the requirements from 4.2~4.5, as well as the transport special provisions specified in columns (16) ~ (18) of Table A.1 of JT/T 617.3-2018.

**4.2** Large containers, portable tanks and tank containers conforming to the definition of “container” in CSC or UIC591, 592, shall structurally compliant with the requirements of CSC or UIC in dangerous goods transport.

**4.3** For large containers transporting dangerous goods, the structural components (including the side and bottom side beams, sills and door tips,

bottom plates, bottom beams, corner posts, corner pieces, etc.) shall not have the following major defects:

- a) Dents or bends with a depth of more than 19 mm;
- b) Cracks or breaks;
- c) More than one splice or an improper splice (e.g. a lapped splice) in top or bottom end rails or door headers or more than two splices in any one top or bottom side rail or any splice in a door sill or corner post;
- d) Door hinges and hardware that are seized, twisted, broken, missing or otherwise inoperative;
- e) Non-closing gaskets and seals;
- f) Any distortion of the overall configuration sufficient to prevent proper alignment of handling equipment, mounting and securing on a chassis or vehicle.

**4.4** Deterioration in any component of large containers, such as rusted metal in side walls or disintegrated fiberglass is unacceptable; Normal wear which doesn't affect the performance, including oxidization (rust), slight dents and scratches are acceptable.

**4.5** Prior to lading large containers shall be checked that it is free from any residue of a previous load of dangerous goods and that the interior floor and walls are free from protrusions.

## 5 Transport handling conditions for packages

**5.1** Unless otherwise provided in 5.2 and 5.3, the package may be loaded with the following vehicles or containers:

- a) Closed vehicle or closed container;
- b) Sheeted vehicles or sheeted containers;
- c) Open vehicles or open containers.



5.2 Packages comprising packagings made of materials sensitive to moisture shall be loaded on to sheeted vehicles, closed vehicles, sheeted containers or closed containers.

5.3 Vehicles or containers transporting packages shall comply with the special transportation provisions listed in column (16) in Table A.1 of JT/T 617. 3-2018, Definitions for special provisions are given in Appendix A.

## 6 Transport handling conditions for bulks

### 6.1 General requirements

6.1.1 The goods that conforms with JT/T 617.3-2018 Table A.1, (10) listed as BK code and meets the requirements of 6.2, or JT/T 617.3-2018 Table A.1 (17) listed as VC code and meets the requirements of 6.3, may be transported in bulk in bulk containers, containers or vehicles.

6.1.2 Substances which may become liquid at temperatures likely to be encountered during carriage, are not permitted for carriage in bulk.

6.1.3 Bulk containers, containers or bodies of vehicles should be siftproof and keep closed during transportation to prevent spillage due to vibration or temperature, humidity and pressure changes.

6.1.4 Substances shall be loaded and evenly distributed in a manner that minimizes movement that could result in damage to the bulk container, container or vehicle or leakage of the dangerous goods.

6.1.5 Vent devices should be kept clean and in operation.

6.1.6 Substances shall not react dangerously with the material of the bulk container, container, vehicle, gaskets, equipment (lids and tarpaulins) or with protective coatings which are in contact with the contents or significantly weaken them.

6.1.7 Before being filled and handed over for carriage, each bulk container, container or vehicle should be inspected and cleaned to ensure that no residue is present in the following cases:

- a) May cause a dangerous reaction with the substance intended for carriage;



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