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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JT/T 617.4-2018

**Regulations concerning road transportation of dangerous
goods--Part 4: Provisions for the use of transport packagings
(English Translation)**

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Foreword

JT/T 617 "Road Transportation Rules for Dangerous Goods" is divided into seven parts.

--- Part 1. General;

--- Part 2. Classification;

--- Part 3. Index of product name and shipping requirements;

--- Part 4. Transport packaging use requirements;

--- Part 5. Consignment requirements;

--- Part 6. Handling conditions and operation requirements;

--- Part 7. Transport conditions and operational requirements.

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

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

This part is proposed by the Transportation Service Department of the Ministry of Transport of the People's Republic of China.

This part is under the jurisdiction of the National Road Transport Standardization Technical Committee (SAC/TC 521).

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1 Scope

This part of JT/T 617 specifies road transport dangerous goods packaging, medium bulk containers, large packaging, removable tanks, tank cars Requirements for the use of tanks.

This section applies to the selection and use of road transport dangerous goods transport packaging.

Note: Unless otherwise specified, dangerous goods packaging refers to packaging with a volume of less than 450L or a net weight of not more than 400kg.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1413 Series 1 Container Classification, Dimensions and Rated Quality GB/T 1836 container code, identification and marking GB 11638-2011 Dissolved acetylene cylinder GB 13392 Road transport dangerous goods vehicle sign GB/T 16563 Series 1 Container Technical Requirements and Test Methods Liquid, Gas and Pressurized Dry Bulk Tank Containers GB 18564.1 Road transporting liquid dangerous goods tanks - Part 1 . Technical requirements for metal normal pressure tanks Road transporting liquid dangerous goods tank vehicles - Part 2. Technical requirements for non-metal normal pressure tanks GB 19269-2009 Safety regulations for the inspection of road transport dangerous goods packaging GB 19432-2009 Safety regulations for inspection of large packages of dangerous goods GB 19434-2009 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 19434.6-2004 Inspection of safety specification for dangerous goods composite intermediate bulk containers GB 19434.8 Dangerous goods rigid plastic intermediate bulk containers inspection safety specification performance test GB 19521.13-2004 Safety specification for inspection of small gas containers for dangerous goods GB 19521.14-2004 Safety specification for inspection of small and medium pressure vessels for dangerous goods GB/T.19905 liquefied gas automobile tanker GB 20300 Road transport explosives and highly toxic chemicals vehicle safety technical conditions JT/T 617.1-2018 Road transport rules for dangerous goods - Part 1. General JT/T 617.2-2018 Road transport rules for dangerous goods - Part 2. Classification JT/T 617.3-2018 Road transport rules for dangerous goods - Part 3. Index JT/T 617.5-2018 Road transport rules for dangerous goods - Part 5. Checking requirements

NB/T 47058 refrigerated liquefied gas automobile tanker TSG R0005 Mobile Pressure Vessel Safety Technical Supervision Procedure TSG R0006 gas cylinder safety technical supervision procedures TSG R7001 Pressure Vessel Periodic Inspection Rules

e) For normal temperature conditions, the working pressure is not more than 2.43MPa (gauge pressure), the water volume is 1L ~ 25L, and the low pressure liquefied gas is filled or Metal gas cylinders containing dissolved gases shall be subjected to performance inspection in accordance with the provisions of Chapter 8 of GB 19521.14-2004 and a conformity report shall be obtained.

4.1.4 When packing liquids in packaging, medium bulk containers and large packages, there should be sufficient expansion space to prevent during transportation.

The container is leaked or permanently deformed due to temperature expansion caused by temperature changes. The specific requirements are.

a) Unless otherwise specified, the liquid shall not completely fill the container at 55 ° C;

b) When loading the liquid in the intermediate bulk container, there should be enough expansion space above the liquid level to ensure that the average temperature is 50 ° C.

The filling degree of the bulk container is not more than 98% of its capacity;

c) Unless otherwise specified, at a filling temperature of 15 ° C, the maximum filling degree is calculated according to Table 1 or according to formula (1).

4.1.5 The inner packaging should be reasonably placed in the outer packaging to ensure that the inner packaging will not be broken, pierced or built under normal transportation conditions.

The material leaked into the outer packaging. Inner packaging with liquid, the sealing device should be facing up after packaging, and the placement position in the outer packaging should be JT/T the direction marks specified in 6.1.5 of 617.5-2018 are the same. Made of glass, ceramic or some plastic, easy to crack or easy to be the punctured inner packaging should be secured in the outer packaging with a suitable cushioning material. If the contents leak, the gasket material or the outer packaging is protected.

Protective performance should not be damaged by leakage.

4.1.6 If the outer packaging or large packaging of the combined package is tested when fitted with multiple inner packagings, these different models the inner packaging can also be combined in a separate package or a large package. In addition, one of the following conditions is met and the safety performance level is not reduced in the case of a partial change to the inner package, no additional packaging test is required.

a) Use inner packaging of the same or smaller size when the following requirements are met.

- 1) The design of the inner package is similar to the tested inner package (for example, the shape is circular, rectangular, etc.);
 - 2) The ability of the inner packaging manufacturing materials (glass, plastic, metal, etc.) to withstand impact or stacking is equal to or greater than the original test Inner packaging
 - 3) The inner package has the same or smaller opening, and the closure device is similar in design (such as screw cap, friction cover, etc.);
 - 4) Fill the gap with enough lining material to prevent the inner package from moving obviously;
 - 5) The inner package is placed in the outer packaging in the same direction as the tested package.
- b) may use a smaller number of tested inner packagings, or an alternative inner packaging as described in a), but with sufficient cushioning material Filling the gap prevents the inner package from moving significantly.

4.5.1 Packaging Guide

The packaging guidelines are shown in Tables A.1 to A.91.

4.5.2 Guide to Intermediate Bulk Containers

Guidelines for intermediate bulk containers are given in Tables A.92 to A.103.

4.5.3 Large Packaging Guide

The large packaging guidelines are shown in Tables A.104 to A.112.

4.6 Special packing provisions for Class 1 explosives

4.6.1

shall comply with the general provisions of 4.1.

4.6.2

All explosive substances and articles to be transported shall be classified in accordance with 5.1 of JT/T 617.2-2018.

4.6.3

All packages for the shipment of Class 1 explosives shall be designed and manufactured in accordance with the following requirements.

- a) Protect the explosives so that the explosives are changed under normal transportation conditions (including temperature, humidity, pressure, etc. during transportation) Change) will not leak, and the risk of burning and explosion will not increase;