

## New UN number

**UN 3550**  
**COBALT DIHYDROXIDE POWDER,**  
containing not less than 10 %  
respirable particles  
Class: 6.1  
Classification code: T5



## New self-reactive substance Class 4.1



**(7-METHOXY-5-METHYL**  
**-BENZOTHIOPHEN-2-YL) BORONIC ACID**  
UN 3230  
SELF-REACTIVE SOLID TYPE F

## New organic peroxides Class 5.2



**ACETYL ACETONE PEROXIDE**  
UN 3107  
ORGANIC PEROXIDE TYPE E, LIQUID

**tert-BUTYLPEROXY**  
**ISOPROPYLCARBONATE**  
UN 3105  
ORGANIC PEROXIDE TYPE D, LIQUID

**tert-HEXYL PEROXYPIVALATE**  
UN 3117  
ORGANIC PEROXIDE TYPE E, LIQUID,  
TEMPERATURE CONTROLLED

## Euro Contrôle Route (ECR)

Group of European Transport Inspection Services working together to improve road safety, sustainability, fair competition and labour conditions in road transport by activities related to compliance with existing regulations.

ECR's activities centre around following pillars:

- Coordinated cross border checks;
- Enforcement information exchange
- Education and training;
- Harmonisation;
- Consolidated points of view / common interest and influence decision making process

<https://www.euro-controle-route.eu/>

# ADR 2023

## Agreement concerning the International Carriage of Dangerous Goods by Road

## Selected amendments



# Selected amendments to ADR 2023

1.1.3.6.2 *The first indent is simplified, the provision relating to explosives now refers directly to 1.10.3.1:*

... they may be carried in packages in one transport unit without application of the following provisions:

– Chapter 1.10 except for high consequence dangerous goods of Class 1 (in accordance with 1.10.3.1) ...

*In the table 1.1.3.6.3, in the entry for transport category 2, in column (2) two UN numbers are inserted*

Class 6.2: UN No. 3291, Class 9: UN No. 3536

*New 1.1.4.7 Refillable pressure receptacles authorized by the United States of America Department of Transportation*

1.1.4.7.1 Import of gases

... accepted for carriage in a transport chain in accordance with 1.1.4.2 may be carried from the location of the temporary storage at the end point of the transport chain to the end user.

1.1.4.7.2 Export of gases and empty uncleaned pressure receptacles may be filled and carried only for the purpose of exporting to countries which are not Contracting Parties to ADR provided the following provisions are met:

(a) The filling ... is in accordance with the relevant requirements of the Code of Federal Regulations of the United States of America;

(b) ... marked and labelled in accordance with Chapter 5.2;

(c) The provisions of 4.1.6.12 and 4.1.6.13 shall apply to pressure receptacles. Pressure receptacles shall not be filled after they become due for periodic inspection but may be carried after the expiry of the time-limit for purposes of performing inspection, including the intermediate carriage operations.

*New related provision 5.4.1.1.2.4:*

For carriage in accordance with 1.1.4.7, a statement shall be included in the transport document, as follows:

"CARRIAGE IN ACCORDANCE WITH 1.1.4.7.1" or

"CARRIAGE IN ACCORDANCE WITH 1.1.4.7.2", as appropriate.

Chapter 1.2 is renamed:

**DEFINITIONS, UNITS OF MEASUREMENT AND ABBREVIATIONS**

*In section 1.2.1 all abbreviations are deleted and subsequently moved to the new section: 1.2.3 List of abbreviations*

*New definitions in 1.2.1:*

"Closed cryogenic receptacle"

"Recycled plastics material"

*There is a new addition after the definition of a Tank-container:*

"Extra-large tank-container" means a tank-container with a capacity of more than 40 000 litres.

*In the model for the "Report on occurrences during the carriage of dangerous goods in accordance with RID/ADR section 1.8.5", section 6, note (3) are new entries: 17 MEMU, 18 Extra-large tank-container.*

*SP 119 and SP 291: New notes: For the purposes of carriage, heat pumps may be considered as refrigerating machines.*

*SP 225: New explanatory note for portable fire extinguishers for manual handling and operation:*

This entry applies to portable fire extinguishers, even if some components that are necessary for their proper functioning (e.g. hoses and nozzles) are temporarily detached, ...

*SP 363: New note for UN No. 3528 and UN No. 3530: On engines and machinery with a capacity of more than 450 l but containing 60 l of liquid fuel or less, labelling and placarding compliant with the above requirements are permitted.*

*SP 389: Modification of the first sentence: This entry only applies to lithium ion batteries or lithium metal batteries installed in a cargo transport unit and designed only to provide power external to the unit.*

*Specification: The batteries inside the cargo transport unit are not subject to marking or labelling requirements. "Except as provided in 1.1.3.6," the cargo transport unit shall bear orange-coloured plates in accordance with 5.3.2.2 and placards in accordance with 5.3.1.1 on two opposing sides.*

*SP 663: Clarification of the General provisions: Packagings, discarded, empty, uncleaned with residues presenting a primary or subsidiary hazard of Class 5.1 shall not be loaded in bulk together with packagings, discarded, empty, uncleaned with residues presenting a hazard of other classes. Packagings, discarded, empty, uncleaned with residues presenting a primary or subsidiary hazard of Class 5.1 shall not be packed with other packagings, discarded, empty, uncleaned with residues presenting hazards of other classes in the same outer packaging. ...*

*SP 676: New provision: For the carriage of packages containing polymerizing substances the provisions of special provision 386, in conjunction with 7.1.7.3, 7.1.7.4, 5.4.1.1.15 and 5.4.1.2.3.1, need not be applied, when carried for disposal or recycling under given conditions. ...*

*New note in 4.1.1.15: For composite IBCs the period of use refers to the date of manufacture of the inner receptacle.*

*New sentence in 4.1.3.3: Where packagings which need not meet the requirements of 4.1.1.3 (e.g. crates, pallets) are authorized in a packing instruction or the special provisions listed in Table A in Chapter 3.2, these packagings are not subject to the mass or volume limits generally applicable to packagings conforming to the requirements of Chapter 6.1, unless otherwise indicated in the relevant packing instruction or special provision.*

*Context: new note in some packing instructions:*

**NOTE:** The packagings authorized may exceed a net mass of 400 kg (see 4.1.3.3).

*4.3.2.3.7 is edited:*

"Specified tanks" may not be filled or offered for carriage after the date specified for the inspection ...

However, "specified tanks" filled prior to the date specified for the next inspection may be carried:

(a) for a period not to exceed one month after the date specified if the inspection due is a periodic inspection ...;

(b) unless otherwise approved by the competent authority, for a period not to exceed three months after the expiry of the date specified, if the inspection due is a periodic inspection ... in order to allow the return of dangerous goods for proper disposal or recycling. Reference to this exemption shall be mentioned in the transport document;

(c) for a period not to exceed three months after the date specified, if the inspection due is an intermediate inspection ...

*Previous is in connection with 6.8.2.4.3, where the following sentence is deleted: These intermediate inspections may be performed within three months before or after the specified date:*

*4.3.3.3.2 is deleted:*

~~When tanks, battery-vehicles or MEGCs are handed over for carriage, only the particulars specified in 6.8.3.5.6 applicable to the gas loaded or just discharged shall be visible; all particulars concerning other gases shall be covered up:~~

*5.2.1.9.2*

*Telephone number for additional information is no longer indicated on the mark. Nevertheless, the old mark with the telephone number may be used until 31/12/2026 (see 1.6.1.49).*



*5.3.2.1.5: note is modified as follow:*

**NOTE:** This paragraph need not be applied to vehicles carrying containers for carriage in bulk, tanks and MEGCs with a maximum capacity of 3 000 litres.

\*

*New 5.4.1.1.3.2*

If it is not possible to measure the exact quantity of the waste at the place of loading, the quantity according to 5.4.1.1.1 (f) may be estimated ...

- specified cases under the specified conditions

- specified cases where such an estimate cannot be made

A statement shall be included in the transport document, as follows: "Quantity estimated in accordance with 5.4.1.1.3.2".

*Modification of provision 5.4.2 Container/vehicle packing certificate:*

If the carriage of dangerous goods in a container precedes a voyage by sea, a "container/vehicle packing certificate" ..., shall be provided to the maritime carrier by those responsible for packing the container.

*In this context, the mention of the container/vehicle packing certificate is deleted from sub-section 8.1.2.1 – documents which shall be carried on the transport unit.*

*New provision 6.8.3.2.9.6: Safety valve mark*

Tanks fitted with safety valves ... shall display the mark ...



*Modification of provision 6.8.3.4.6*

For tanks intended for the carriage of refrigerated liquefied gases:

(a) ..., the periodic inspections shall be performed no later than

six years | eight years

after the initial inspection and thereafter no later than every 12 years;

(b) ..., the intermediate inspections shall be performed no later than six years after each periodic inspection.

*Completely new Chapter 6.9*

Requirements for the design, construction, inspection and testing of portable tanks with shells made of fibre-reinforced plastics (FRP) materials.

*Current Chapter 6.9 becomes Chapter 6.13 with new amendments.*

*New sub-section 9.2.4.6 is inserted - Electric power train, with link to UN Regulation No. 100. Following sub-sections is renumbered.*

**Notice:**

Some texts have been reduced or modified and don't include all ADR 2023 modifications. For more information, please visit: <https://unece.org>

© 2023 ECR, CSPSD

