

Noticeboard

ADR regulations and the “1000 points rule”



The transportation of dangerous substances by road is regulated by ADR. ADR sets the minimum requirements for all aspects of transportation including package design, documentation, loading/unloading, marking and labelling, training requirements and safety equipment. If the quantity of dangerous substances in packages is below the vehicle threshold limit, some of the ADR requirements are not required.

The vehicle threshold limit is determined by the hazard classification of the goods and the quantity carried. Each hazard classification has a different vehicle threshold limit. If the vehicle load consists of goods from different hazard classifications, the vehicle threshold must be calculated. The full ADR regulations only apply if your cylinder load exceeds the vehicle quantity threshold.

Specifically, you must determine – for every trip you make – whether the quantity of cylinders you are carrying exceeds the vehicle quantity thresholds, also known as the “1000 points rule”.

Put simply, each cylinder, depending on the hazardous nature of its contents (flammable, toxic, etc.), is worth a set number of points (see table overleaf). These points must be added together, for each load, to establish the total number of points being carried on that journey. The total value must be less than 1000 points for the exemptions to apply.

For example:

The total points value of the load may be calculated from the following table overleaf.

You wish to transport:

1. 2 x X50S Oxygen + 2 X50S Acetylene + 2 x X108S Propane
 $(2 \times 50) + (2 \times 26) + (2 \times 141) = 434$ points
Your load is below 1000 points, so OK to transport under certain exemptions of the ADR requirements.

2. 6 x X50S Oxygen + 4 x X50S Acetylene + 1 x 108S Propane + 4 x X50S Hytec 5
 $(6 \times 50) + (4 \times 26) + (1 \times 141) + (4 \times 141) = 1109$ points
Your load is over 1000 points, so ALL ADR requirements apply

If you are using AgentsPlus portal, then weights and all necessary transport information are stated and printed on each delivery note produced.

And remember— whenever you are carrying cylinders, please follow these simple but important guidelines:

- Ensure the valve is closed
- Disconnect any regulators or balloon adaptors and re-check the valve is closed
- Stow the cylinder securely so that it cannot move, this includes during emergency braking
- Ensure adequate ventilation in the vehicle
- Ensure cylinder labels are affixed and legible
- Ensure driver has received appropriate training and all necessary equipment and documentation is carried
- Always take care when lifting— cylinders are heavy

To find out more about the ADR regulations and what they mean for you contact a qualified dangerous safety advisor (DGSA). Your agent support team may be able to assist.

The total points value of the load may be calculated from the following table:

| Product | Cylinder Size | Cylinder Capacity | ADR Points Value |
|---|---------------|-------------------|------------------|
| Argon, Alumaxx, Astec, Coogar, Heligas, Ferromaxx, Freshline, Inomaxx 2, Inomaxx Plus, Nitrogen, Oxygen, Weldap | X10S | 10 litres | 10 |
| | X20S | 20 litres | 20 |
| | X30S | 30 litres | 30 |
| | X47S | 47 litres | 47 |
| | X50S | 50 litres | 50 |
| Hydrogen, Hytec 5, Hytec 35, Inomaxx TIG, Protec 5, Protec 10 | X10S | 10 litres | 30 |
| | X20S | 20 litres | 60 |
| | X30S | 30 litres | 90 |
| | X47S | 47 litres | 141 |
| Dissolved Acetylene | X10S | 1.65 kg | 5 |
| | X30S | 6.0 kg | 18 |
| | X41S | 7.6 kg | 23 |
| | X50S | 8.6 kg | 26 |
| | X51S | 10.0 kg | 30 |
| Propane | X30S | 13 kg | 39 |
| | X43S | 19 kg | 57 |
| | X108S | 47 kg | 141 |
| Carbon dioxide | X10S | 7.2 kg | 7.2 |
| | X30S | 21.6 kg | 21.6 |
| | X47S | 34.0 kg | 34 |

Note: Contact agent support for ADR points for other gases.

For more Information, contact:

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