



BADGP Xmas 2019 Quiz



BADGP Member, David Bond, has put together this delightful, festive quiz to challenge all you DG professionals out there.

Entry is open to all via the BADGP website at: www.badgp.org/2019-xmas-quiz. Entry is £5 minimum (no maximum – just click on the + sign on the “order form” on the website to increase in increments of £5.00). 100% of the proceeds will be donated to The Firefighters Charity (<https://www.firefighterscharity.org.uk/how-we-help-2>).

Once you’ve registered, answer the questions and email them to David: christmas.quiz@outlook.com with a note of your name. We will check submissions against the BADGP web site and allow David to be the judge and put all correct answers into a draw. We will then pull a winner “out of the hat” and the 2020 BADGP on 12 March 2020 (have you registered yet? www.badgp.org/event-3391957).

Santa has donated a bottle of Bell’s scotch whisky which “fell off the back of his sleigh” and we will award this to the winner at the event (or send it to them).

TDG by road rules only.

Please include references - CDG, ADR, AD, EAC, as applicable.

Closing date for entries **31 January 2020** – Good luck and a Happy Christmas to all.



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Santa's elves are about to load his sleigh with festive drinks for the grown-ups in England. His sleigh has an unladen weight of 15 tonnes and a plated weight of 44 tonnes. (Never mind how many reindeer it would take to actually pull this – it's all assisted by Santa's magic!)

Santa had told the elves to take the DGSA exams but no-one actually booked them on to a training course. But they have been studying their books!

Santa's load consists of:

- a) 1,500 fibreboard boxes each containing 12 x 70 cl bottles, 40% alcohol by volume. The boxes weigh approximately 10.8 kg each
- b) 1,000 fibreboard boxes each containing 12 x 70 cl bottles, 85% alcohol by volume. The boxes weigh approximately 11 kg each.
- c) 30 fibreboard boxes each containing @ 1 x 10 L bottle, 95% alcohol by volume.

None of the boxes has dangerous goods markings and a quarrel has broken out among the trainee DGSA elves. One trainee asserts that they must have a number 3 label and UN number; another says they only need the LQ mark; a third elf says they're all under the thresholds and don't need any marks.

Using any LQ relaxations where applicable:

Question 1) How should the boxes in a) be marked and labelled?

Question 2) How should the boxes in b) be marked and labelled?

Question 3) How should the boxes in c) be marked and labelled?

Now the elves are arguing about how the sleigh should be marked. One elf says orange plates front and rear; another says LQ mark front and rear; a third elf adds to the confusion: due to the volume of liquid, it needs an orange plate at the front and a hazard warning panel showing the emergency action code, UN number and placard on both sides and the rear. Santa is now about ready to break open one of those boxes and start on its contents!

Question 4) How should Santa's sleigh be marked?



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The elves then load a further 10 fibreboard boxes each containing @ 1 x 10 L bottle, 95% alcohol by volume, on to the sleigh.

Question 5) Will these additional 10 boxes affect the marking decision for the sleigh?

All sorted and Santa is finally about to set off when one of the elves arrives with a late order: after delivering the load, would Santa go to a distillery in Scotland and collect 5 x 250 litres capacity wooden barrels each containing whisky 95% alcohol by volume?

The trainee DGSAs are squabbling again! What labels and marks? What about the sleigh? Confusion reigns. One of the elves, shouting above all the muddle, exclaims that there's a derogation which means that because the sleigh will be empty, no labels and marks are needed or sleigh marking.

Question 6) Is there such a derogation and, if yes, is the elf correct that it can be used?

Question 7) The wooden barrels have not been constructed and tested in accordance with ADR and they do not show a UN certification mark. Will Santa be able to legally carry them?

Good luck!



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