

Incompatible Dangerous Goods

Packages containing dangerous goods that might react dangerously with each other must not be stowed in a position that would allow interaction in the case of leakage. The aim of table 9.3.A (from Section 9.3.2 of the IATA DGR) below is to help us determine whether two classes of dangerous goods are safe to be loaded together.

Remember that Division 1.4S and Classes 6, 7 and 9 are not included in Table 9.3.A because they do not require segregation. Only primary hazards are considered in these situations.

There is an exception to this rule: Packages or overpacks containing Class 9 lithium batteries in UN 3480 or UN 3090 prepared in accordance with Section IA or IB of PI 965 or PI 968 respectively. These must not be stowed on an aircraft next to, or in a position that would allow interaction in the event of damage/fire with packages or overpacks containing dangerous goods which bear a Class 1, other than Division 1.4S, Division 2.1, Class 3, Division 4.1 or Division 5.1 hazard label. Refer to Section 9.3.2.1.3 of the IATA DGR for further details.

Explosives may be stowed together in some situations. Their compatibility group determines this. In addition, UN 3528 items and articles need not be segregated from dangerous goods in Division 5.1.

This is not a memory test. The take-home message is that some dangerous goods should be segregated from others during acceptance, handling and loading. Table 9.3.A helps you work out which DGs must be segregated. You should always refer to the Operator's Dangerous Goods Manual, the IATA DGR and State regulations for current details and variations.

Table 9.3.A											
Segregation of Packages (IATA DGR 9.3.2)											
Hazard Label	1 Excluding 1.4S	2.1	2.2, 2.3	3	4.1	4.2	4.3	5.1	5.2	8	9 See Note 2
1 Excluding 1.4S	See Note 3	X	X	X	X	X	X	X	X	X	X
2.1	X	-	-	-	-	-	-	-	-	-	X
2.2, 2.3	X	-	-	-	-	-	-	-	-	-	-
3	X	-	-	-	-	-	-	X	-	-	X
4.1	X	-	-	-	-	-	-	-	-	-	X
4.2	X	-	-	-	-	-	-	X	-	-	-
4.3	X	-	-	-	-	-	-	-	-	X	-
5.1	X	-	-	X	-	X	-	-	-	-	X
5.2	X	-	-	-	-	-	-	-	-	-	-
8	X	-	-	-	-	-	X	-	-	-	-
9 See Note 2	X	X	-	X	X	-	-	X	-	-	-

Note 1.
 - An 'X' at the intersection of a row and a column indicates that packages containing these classes/divisions of dangerous goods **must be segregated**.
 - A "-" at the intersection of a row and a column indicates that packages containing these classes/divisions of dangerous goods **do not require segregation**.

Note 2.
 This Note refers to Section 9.3.2.1.3 of the IATA DGR, relating to packages and overpacks containing lithium batteries (Class 9).
 Table 9.3.A does not include Divisions 1.4S and classes 6, 7 & 9 as they do not require segregation from other classes of dangerous goods, **except where** the package or overpack contains Class 9 lithium ion batteries (UN 3480) or lithium metal batteries (UN 3090) packed in accordance with Section IA or Section IB of PI 965 and PI 968 respectively.

You must always refer to the Operator's Dangerous Goods manual and Section 9.3.2.1.3 of the current IATA DGR. This outlines the requirements for stowing packages or overpacks containing lithium ion batteries packed in accordance with Section IA or Section IB or PI 965 and lithium metal batteries packed in accordance with Section IA or Section IB of PI 968 when stowed on an aircraft that is also carrying packages or overpacks containing dangerous goods which bear a Class 1, other than Division 1.4S, Division 2.1, Class 3, Division 4.1 or Division 5.1 hazard label.

Note 3.
 This Note refers to Section 9.3.2.2.5 of the IATA DGR regarding segregation of Explosives of Division 1.4B & 1.4S. **You must always refer to the Operator's Dangerous Goods Manual and Section 9.3.2.2.5 of the current IATA DGR.** This states that explosives of Division 1.4B must not be loaded with other explosives except for Division 1.4S. It also dictates the conditions under which Division 1.4B and other explosives must be loaded and stowed.