























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 (other than lithium and sodium ion batteries, see 9.3.2.1.3 of the IATA DGR) 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.

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.
- Divisions 1.4S and Classes 6, 7 and 9 (other than lithium batteries, see **Note 2 below**) are not included in Table 9.3.A as they do not require segregation from other classes of dangerous goods.

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). In summary, it is talking about lithium batteries and how they must not be stowed next to or near packages or overpacks containing certain other dangerous goods.

Always refer to the Operator's Dangerous Goods Manual and Section 9.3.2.1.3 of the current IATA DGR.

Specifically, Section 9.3.2.1.3 is talking about segregation of the following lithium batteries:

- UN 3480 lithium ion batteries prepared in accordance with Section IA or Section IB of PI 965;
- UN 3090 lithium metal batteries prepared in accordance with Section IA or Section IB of PI 968;
- UN 3551 sodium ion batteries prepared in accordance with Packing Instruction 976.

These must not be stowed on an aircraft next to, or anywhere that in the event of damage or fire would allow any interaction with, packages containing the following dangerous goods:

- Class 1, other than Division 1.4S
- Division 2.1
- Class 3
- Division 4.1
- Division 5.1

The segregation requirements apply based on all hazard labels applied on the package or overpack, regardless of whether the hazard is the primary or subsidiary hazard. Acceptable segregation between packages and overpacks must follow Table 9.3.A requirements.

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. This states that explosives of Division 1.4B must not be loaded with other explosives **except for** Division 1.4S. It also dictates the very specific conditions under which Division 1.4B and other explosives must be loaded and stowed.

Always refer to the Operator's Dangerous Goods Manual and Section 9.3.2.2.5 of the current IATA DGR.