

Appendix 2**BULK TRAFFIC DANGEROUS GOODS WAGON AND CONTAINER
SEPARATION DISTANCE REQUIREMENTS / PROHIBITIONS****Contents**

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Appendix 2 - Bulk Traffic Dangerous Goods - Wagon and Container Separation Distance Requirements/Prohibitions

Minimum Separation Distance in Metres from:-			Explosives	Gases - Flammable	Gases - Non Flammable Liquid Oxygen UN1073	Gases Non Flammable Non-Toxic	Gases - Toxic (D)	Highly Flammable Liquids	Flammable Liquids	Flammable Solids	Spontaneously Combustible	Dangerous When Wet	Oxidising Agents	Organic Peroxides	Toxic Substances	Radioactive Substances	Radioactive Flasks (D) (Loaded)	Radioactive Flasks (D) Discharged	Corrosives And Miscellaneous	Mixed Dangerous Goods Groupage	Limited quantities (UN9933)	Locomotive	Rear Of Train	
Metres	Feet	10ft Container Units																						
18	60	6																						
11	37	4																						
9	30	3																						
6	20	2																						
D.G. Class - Commodity			1	2.1	2.2	2.2	2.3	3 (PGI or II)	3 (PGIII)	4.1	4.2	4.3	5.1	5.2	6.1	7	7	7	8 & 9	
1	Explosives			X	18	18	X	X	18	18	X	18	18	X	18	X	X	18	18	18	.	11	11	
2.1	Gases - Flammable		X		18	-	X	X	18	18	X	-	-	X	-	X	X	18	-	-	.	-	-	
2.2	Gases - Non-flammable Liquid Oxygen (UN1073)		18	18		-	18	18	18	-	18	-	-	-	-	-	-	-	-	-	.	-	-	
2.2	Gases - Non-flammable Non-toxic		18	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	.	-	-	
2.3	Gases - Toxic (D) †		X	X	18	-		X	18	18	X	18	18	X	-	-	-	-	-	-	.	9	9	
3(PGI or II)	Highly flammable liquids		X	X	18	-	X		-	-	X	-	18	X	-	X	X	18	-	-	.	-	-	
3(PGIII)	Flammable liquids		18	18	18	-	18	-		-	18	-	18	18	-	18	X	18	-	-	.	-	-	
4.1	Flammable solids		18	18	-	-	18	-	-		-	-	-	-	-	-	-	-	-	-	.	-	-	
4.2	Spontaneously combustible		X	X	18	-	X	X	18	-		-	18	X	-	X	X	18	-	-	.	-	11	11
4.3	Dangerous when wet		18	-	-	-	18	-	-	-		-	-	-	-	-	-	-	-	-	.	-	-	
5.1	Oxidizing substances		18	-	-	-	18	18	18	-	18	-		-	-	-	-	-	-	-	.	-	-	
5.2	Organic peroxides		X	X	-	-	X	X	18	-	X	18	-		-	X	X	18	-	-	.	-	-	
6.1	Toxic substances		18	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	.	-	-	
7	Radioactive materials		X	X	-	-	-	X	18	-	X	-	-	X	-		-	-	-	-	.	-	-	
7	Radioactive flasks (D) (Loaded)		X	X	-	-	-	X	X	-	X	-	-	X	-	-		-	-	-	.	6§	6§	
7	Radioactive flasks (D) (Discharged)		18	18	-	-	-	18	18	-	18	-	-	18	-	-	-		-	-	.	6§	6§	
8 & 9	Corrosives & Miscellaneous		18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	.	-	-	
	Mixed dangerous goods (UN8989)		18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.	-	-	
	Limited quantities more than 8 tonnes gross weight (UN9933)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.	-	-	
* Other than liquid oxygen (UN1073) x Not permitted on same train (D) Radioactive flasks or toxic gases in tank wagons or tank containers are not permitted on Driver Only trains Open or flat-bed wagons conveying metal products such as rails, angles, girders and pipes, which in exceptional circumstances could puncture an adjacent vehicle, together with any associated runner wagons, must not be marshalled next to tank wagons or tank containers containing dangerous goods, whether loaded or discharged.									§ If the distance from the flask is less than 6 metres ¥ For tank wagons or tank containers a suitable vehicle is required at the rear of the train, in which the guard must ride. Note:- Separation wagons Individual vehicles must have an actual weight greater than 8.15 tonnes (8 tons). Containers for container carrying wagons the separation distance detailed above between containers of dangerous goods must be maintained. The prohibitions are as shown in this table.															