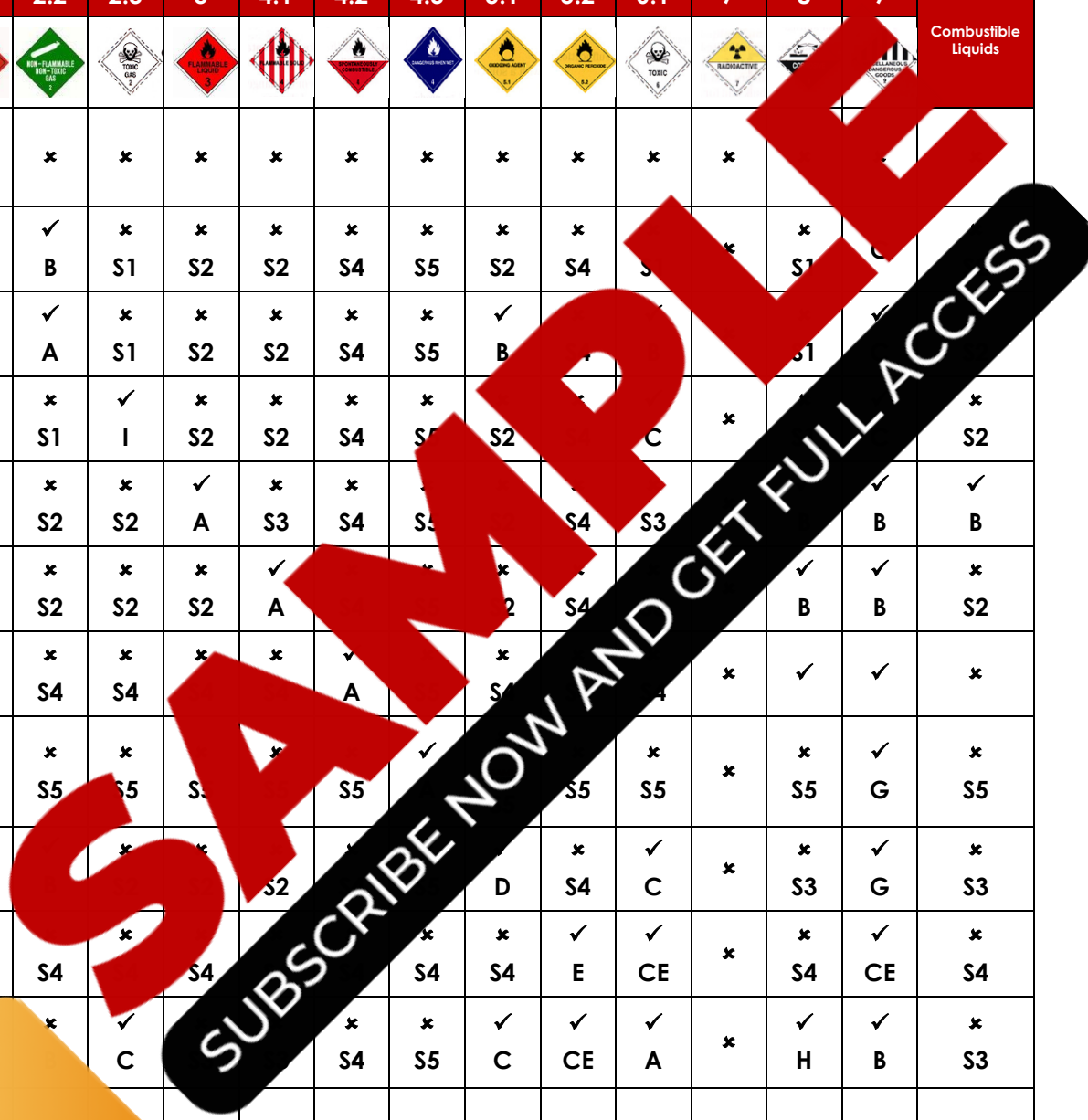


## Segregation of Incompatible Goods Chart

Some dangerous goods have the potential to react violently if they are mixed together. The following table is a guide for what goods should be segregated, however the safety data sheet (SDS) for each dangerous good should be consulted.

Class	Icon	1	2.1	2.2	2.3	3	4.1	4.2	4.3	5.1	5.2	6.1	7	8	9	Combustible Liquids
		EXPLOSIVE 1	FLAMMABLE GAS 2	NON-FLAMMABLE NON-TOXIC GAS 2.1	TOXIC GAS 2.3	FLAMMABLE LIQUID 3	EXTREMELY FLAMMABLE LIQUID 4.1	FLAMMABLE LIQUID 4.2	FLAMMABLE SOLID 4.3	OXIDIZING LIQUID 5.1	OXIDIZING SOLID 5.2	POISONOUS TOXIC 6.1	RADIOACTIVE 7	INFECTIOUS 8	HAZARDOUS WASTE 9	
1		✓ Note 1	*	*	*	*	*	*	*	*	*	*	*			
2.1		*	✓ A	✓ B	*	*	*	*	*	*	*		*	*		
2.2		*	✓ B	✓ A	*	*	*	*	*	✓ B						
2.3		*	*	*	✓ I	*	*	*	*	*	*		*			*
3		*	*	*	*	✓ A	*	*	*	*	*	*			✓ B	✓ B
4.1		*	*	*	*	*	✓ A	*	*	*	*			✓ B	✓ B	*
4.2		*	*	*	*	*	*	✓ A	*	*	*		*	✓ B	✓ B	*
4.3		*	*	*	*	*	*	*	✓ S5	*	*	*	*	*	✓ G	*
5.1		*	*	*	*	*	*	*	*		*	✓ C	*	*	✓ G	*
5.2		*	*	*	*	*	*	*	*		*	✓ CE	*	*	✓ CE	*
6.1		*	*	*	✓ C	*	*	*	*	✓ C	✓ CE	✓ A	*	✓ H	✓ B	*
7						*	*	*	*	*	*	*	✓	*	*	*
8						✓ B	✓ B	✓ B	*	*	*	✓ H	*	✓ F	✓ C	*
9					✓ C	✓ B	✓ B	✓ B	✓ G	✓ C	✓ CE	✓ B	*	✓ C	✓ A	✓ B
Combustible Liquids		*	*	*	✓ B	*	*	*	*	*	*	*	*	*	✓ B	✓ A





Is mixed class label for road and rail transport.

**Note 1:** Only in accordance with the Australian Explosives Code (AEC) and State or Commonwealth legislation.

### Segregation Guidance for Incompatible Notes

**S1** - Segregate these goods by 3m or more in a well-ventilated area. For liquid dangerous goods the distance is measured from the edge of the spill catchment area.

**S2** - Segregate by 5m or more. If one of the dangerous goods is a liquid measure the distance from the edge of the spill catchment area. Liquid dangerous goods should be located within a separate spill catchment area.

**S3** - Segregate by 3m or more for PG III goods and 5m or more for PG II goods where the goods may react dangerously. If both are solids, then a minimum board may be used. Where one of the goods is a liquid, the distance is measured from the edge of the spill catchment area.

**S4** - Segregation preferred using fire-rated partitioned areas. Use of separate fire-rated building for organic peroxides and for highly pyrophoric class 4.2.

**S5** - Segregation of class 4.3 preferred by use of a separate detached building with a water-based fire suppression system.

### Compatible Goods Guidance Notes

**A** - In most cases materials of the same class will be compatible. Not all materials with different UN Numbers will always be compatible. SDS should be checked.

**B** - In many cases the goods will be compatible. Must check for secondary risk compatibility. Please check the SDS.

**C** - If one of the goods present is a high risk substance (e.g. class 2.1, 3, 4, 5, a combustible liquid or has a subsidiary risk of class 2.1, 3, 4, 5, a temperature sensitive goods segregation is required by at least one or more SDS. MUST be checked. Other exceptions apply. Please check the SDS.

**D** - Not all class 5.1 are compatible. Ammonium nitrate is not compatible with tetranitromethane, dichloroacetyl cyanide, bromate, chlorate, chlorite, hypochlorites, cyanuric cyanurate, or calcium cyanurate. Calcium hypochlorite (and its mixtures) are incompatible with dichloroacetyl cyanide, ammonium nitrate, or any chlorisocyanurate.

**E** - Organic peroxides are highly reactive materials. Please check the SDS to ensure compatibility.

**F** - Where one of the goods to be stored together is a concentrated strong acid and the other a concentrated strong base they should be deemed incompatible.

**G** - Do not be stored next to goods that are in a solution containing water, or where the goods are not compatible with the chosen firefighting/spill/leak dispersal or suppression media for the goods.

**H** - Class 6.1 is cyanide and the class 8 an acid. Please check the SDS.

**I** - Fluorine and chlorine must be segregated due to risk of explosion. It is important to check for other incompatibilities within this class division. It is strongly recommended that each gas (Class 2.3) be segregated unless information in the SDS says otherwise.

