

Exploring Hazards

ORGANIC PEROXIDES

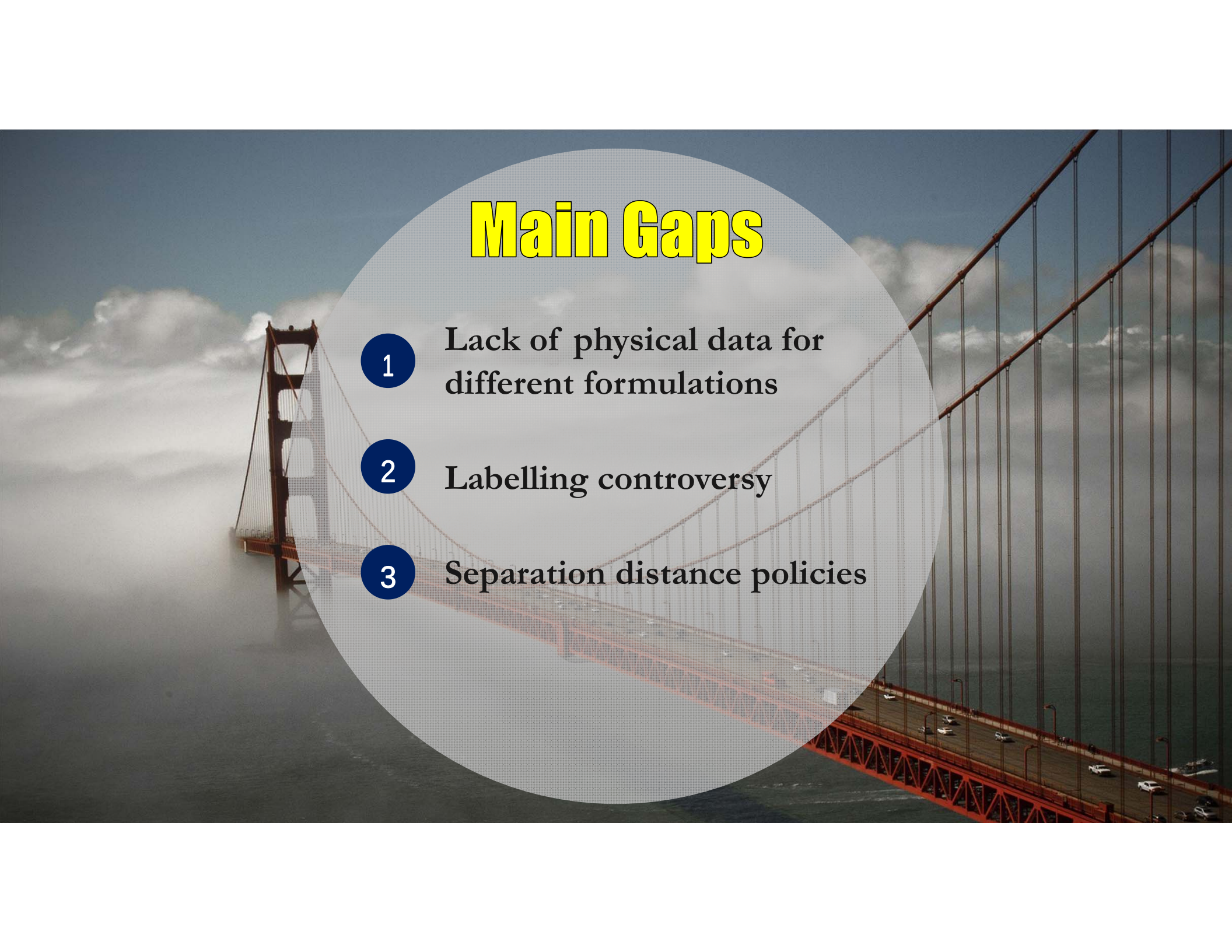
UN CLASSIFICATION FOR TRANSPORTATION

Sub-group	UN Number				Max. Package Capacity	
	No Temperature control		Temperature control			
	Liquid	Solid	Liquid	Solid	Liquid	Solid
A	-	-	-	-	-	-
B	3101	3102	3111	3112	30 l	25 kg
C	3103	3104	3113	3114	60 l	50 kg
D	3105	3106	3115	3116	60 l	50 kg
E	3107	3108	3117	3118	450 l	400 kg
F	3109	3110	3119	3120	IBCs and Tanks	IBCs and Tanks
G	-	-	-	-	-	-

CLASSIFICATION FOR STORAGE – PGS 8

Storage Group	Type	Burning Rate [kg/min]	Description
1.	B	all	Explosive or very fast burning
	C	≤ 300	
2.	C	< 300	Very hazardous or fast burning
	D	≤ 60	
	E	≤ 60	
3.	D	< 60	Hazardous or burning like solvents
	E	< 60	
	F	> 10	
4.	E	< 10	Minor hazard and slow/no burning
	F	< 10	
5.	G	all	May be exempted

- EXPLOSIVE/HAZARDOUS, indicating that some packages may explode, but NO MASS EXPLOSION will occur
- BURNING, indicating that heat radiation from the fire will endanger the surroundings

The background of the slide is a photograph of the Golden Gate Bridge in San Francisco. The bridge's iconic red-orange towers and suspension cables are visible against a blue sky with scattered white clouds. The bridge deck, with its multiple lanes of traffic, extends from the bottom right towards the left, disappearing into the distance. A large, semi-transparent white circle is overlaid on the center of the image, serving as a container for the text.

Main Gaps

1

Lack of physical data for different formulations

2

Labelling controversy

3

Separation distance policies

DEFAULT DECISIONS



Sub-classes A-D shall be treated as explosives



TNT equivalent of 80% will be used when there is no other data in the literature



Further exploration of the topic with foreign experts