









Minor storage of gases allowed within buildings without Fire Protection requirements

Table 1- Minor Storage

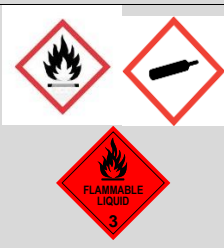

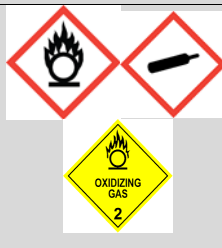
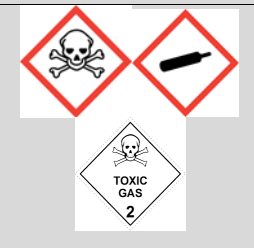
Maximum Quantities of Gas Permissible for Classification as Minor Storage*					
GHS Pictogram	Dangerous Goods Class	Part 1 - Laboratories/ Workshops or internal area		Part 2 - Stores	
		Maximum water capacity L	Maximum quantity allowed of all combined classes of gasses	Maximum water capacity L	Maximum quantity allowed of all combined classes of gasses
 Flammable Gas	Class 2.1 	250 L 5 x G (50 L) Size	1000 L	500 L	2000 L
 Inert Gas	Class 2.2 	1000 L 20 x G (50 L) Size		2000 L	
 Toxic Gas	Class 2.3 	25 L 2 x D (10 L) or 1 x E (20 L) allowed		50 L	
 Oxidizing Gas	Class 2.2/5.1 	500 L 10 x G (50 L) Size		1000 L	

*The storage of gases in accordance with the information provided in Table 1 - Minor Storage

Risk Management of Gases

Hazard	Possible Control Measures	Calculating maximum volumes of gasses in a facility
Asphyxiation	<ul style="list-style-type: none"> O2 Monitor, External facilities/ Caged areas or Vented walls, Mechanical ventilation, Shut off valves 	<p>Monash OH&S are able to calculate the possible maximum quantities of gas allowable in a given room volume. Please contact General Enquiries: 9905 0166</p>
Explosion/Fire	<ul style="list-style-type: none"> Lower Explosive Limit (LEL) Monitors, Fire protection infrastructure, Flash back arrestors, Shut off valves 	
Poisoning	<ul style="list-style-type: none"> Specific gas Monitors, Shut off valves 	
<p>If you do not have adequate controls systems in place, please contact Monash OH&S to assist you in identifying required control strategies.</p>		

Segregation distances from stores and places of congregation (For gas cages)

GHS Pictogram	Combined Storage Allowance in (L)	Separation* distance required in	(m)		
		 Class 2.1	 Class 2.2	 Class 2.2/5.1	 Class 2.3 (>50L)
On-Site Protected Place - Any area within a building where gases are stored.	≤ 500	0	0	0	3
	>500 ≤1000	3	0	0	3
	>1000 <2000	3	0	3	5
	>2000	3	3	3	8
Protected Place – Any external area within or external to Monash University boundary	< 500	0	0	0	3
	>500 <1000	3	0	0	5
	>1000 <2000	3	0	3	8
	>2000	6	5	5	15
Filling or Decanting Areas	< 500	3	3	3	3
	>500 <1000	3	3	3	5
	>1000 <2000	3	3	3	8
	>2000	5	3	5	15