

# Grosvenor Chemicals

## SYNTHESIS CAPABILITIES



The Grosvenor Site has Top Tier COMAH status and can handle a number of hazardous reagents and products in a multi-purpose plant.

### SYNTHESIS CAPABILITIES INCLUDE:-

- Alkylation of amines
- Michael reactions
- Reactions of isocyanates
- Reaction between inorganic sulphides and alcohols
- Condensation reactions
- Acid/Base reactions

### WE HAVE:-

- Stainless Steel reactors from 1m<sup>3</sup> to 10m<sup>3</sup>
- Centrifuges
- Pressure Filters
- Pressure Filters

Talk to us about your custom synthesis needs.

Name	Area	MOC	Volume litre	Des Press	Des Temp °C	Normal Press	Normal Temp °C	Type
Reactor 1	Reactor Room	S/S	4900	45 psig			0-130	
Reactor 2	Reactor Room	S/S					0-130	
Reactor 3	Ashlade	S/S	4000					
Reactor 4	Reactor Room	Glass lined	5500				0-130	
Reactor 5	Yellow Dye	Glass lined	1300	6 barg	200			Hazardous solid handling facility
Reactor 6	Reactor Room	Glass lined	7000					
Reactor 7	Tank Farm	S/S	12000					
Recovery Still	Recovery Still	S/S	6000			atmos	130	
Reactor 9	Yellow Dye	S/S	3000		200			
Reactor 10	GMP	S/S	2750	vac to 3.5 barg	200	atmos	100	
Reactor 11	GMP	S/S	2929	vac to 3.5 barg	200	atmos	100	
Reactor 12	GMP	S/S	10414	vac to 2 barg	200			
Reactor 13	GMP	S/S	2032	vac to 2 barg	200			Distillation only
Reactor 14	GMP	S/S				atmos	ambient	

All reactors steam heated and water cooled. Max temp 130°C. R6 has potential s/s rosenmund 4000 litre filter (no mixing paddle) for solid filtration. R1-R6 has a s/s centrifuge, 1000 litre for solid handling. Cone dryer available (vacuum type), -0.5bar vacuum, 90°C maximum drying temp, 2000 litre max volume, 670 litre working volume. Cannot handle oxidizers or acidic solids.

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