

# Specific Taxonomy – Ammonia and Chemistry

Level 1	Level 2	Level 3
Process technology	Catalytic cracking	Catalyst regenerator
		Startup heater/compressor
		Reactor
		Fractionator
		Absorber
		Wet gas compressor
	Steam cracking	Pyrolysis furnace
		Fractionator
		Compressor
		Product fractionator
		Hydrogeneration
		C2 splitter
	Catalytic reforming	Interheaters
		Reactors
		Compressor
		Low pressure separator
		High pressure separator
	Haber process	Catalysator
		Mixture compressor
		Preheater
		Reactor
		Waste heat boiler
		Cooler
		Compressor for unreacted gas

Level 1	Level 2	Level 3
Process Technology	Membrane cell process	Electrodes
		Electrolyzers
		Membrane type
		High and low temperature brine
		Hydrogen pump
		Filtration
		Dechlorination
		Cooling
		Compression
		Drying
	Mercury cell process	Cathodes
		Decomposer
		Base plate
		Filtration
		Heat exchange
		Amalgan decomposition
		Cooling
		Drying
		Compression
		Mercury removal
	Diaphragm cell process	Filtration
		Heat exchange
		Cooling
		Concentration
		Storage

Level 1	Level 2	Level 3
Process Technology	Physical processes	Screening
		Sieving
		Distillation
		Adsorption
		Absorption
		Mixing
		blending
		Dilution
		Classification
		Sedimentation
		Crystallisation
		Centrifugation
		Quenching
		Ion Exchange
		Materials handling
		Extraction
	Shaping	injectors
	Heat generation	High efficient boiler
		Heat exchange
		Isolation pipes
		Isolation boiler

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		Membrane type
		High and low temperature brine
		Hydrogen pump
		Filtration
		Dechlorination
		Cooling
		Compression
		Drying

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Service Technology	Mercury cell process	Cathodes
		Decomposer
		Base plate
		Filtration
		Heat exchange
		Amalgan decomposition
		Cooling
		Drying
		Compression
		Mercury removal
	Diaphragm cell process	Filtration
		Heat exchange
		Cooling
		Concentration
		Storage
	physical processes	Screening
		Sieving
		Distillation
		Adsorption
		Absorption
		Mixing
		blending
		Dilution
		Classification
		Sedimentation
		Crystallisation
		Centrifugation
		Quenching
		Ion Exchange
		Materials handling
		Extraction
	Shaping	injectors

Level 1	Level 2	Level 3
Service Technology	Heat generation	High efficient boiler
		Heat exchange
		Isolation pipes
		Isolation boiler

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Alternative Energy	Catalytic cracking	Catalyst regenerator
		Startup heater/compressor
		Reactor
		Fractionator
		Absorber
	Steam cracking	Pyrolysis furnace
		Fractionator
		Product fractionator
		C2 splitter
	Catalytic reforming	Interheaters
		Reactors
	Haber process	Catalysator
		Preheater
		Reactor
		Waste heat boiler
	Membrane cell process	Drying
	Mercury cell process	Heat exchange
		Drying
	Diaphragm cell process	Heat exchange
		Concentration
	physical processes	Distillation
		Absorption
	Heat generation	High efficient boiler
		Heat exchange