

Aromatics & Styrenics

PRODUCT GROUP	PRODUCT LINE	PRODUCTS	EINECS	Type	Pre- Reg	Reg	Registration Deadline	Intended Use(s)
Aromatics & Styrenics	Aromatics	Benzene	200-753-7	Intermediate	x	x	2010	No Exposure Scenario Needed
Aromatics & Styrenics	Aromatics	Cyclohexane	203-806-2	Substance	x	x	2010	Cyclohexane
Aromatics & Styrenics	Styrenics	Styrene	202-851-5	Substance	x	x	2010	Styrene

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INTENDED USES FROM CHEVRON PHILLIPS CHEMICALS

Product name **Cyclohexane**
 EC number 203-806-2
 CAS number 110-82-7



GES#	General Exposure Scenario Title (GES)	Area of Application / UD	Scope	Applicable Process Categories (PROC) or Product Categories (PC)	Environmental Release Category
1	Manufacture of substance	Industrial (SU3, SU8, SU9)	Manufacture of the substance or use as a process chemical or extraction agent. Includes recycling/recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and bulk container), sampling and associated laboratory activities.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15	
		Professional (SU22)	Not applicable		
		Consumer (SU21)	Not applicable		
1A	Distribution of the substance	Industrial (SU3, SU8, SU9)	Loading (including marine vessel/barge, rail/road car and IBC loading) and repacking (including drums and small packs) of substance, including its sampling, storage, unloading and associated laboratory activities.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	
		Professional (SU22)	Not applicable		
		Consumer (SU21)	Not applicable		
1B	Use as Intermediate	Industrial (SU3, SU8, SU9)	Use as an isolated intermediate under strictly controlled conditions	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	ERC6A
		Professional (SU22)	Not applicable		
		Consumer (SU21)	Not applicable		

2	Formulation & (re)packing of substances and mixtures	Industrial (SU3, SU10)	Formulation, packing and re-packing of the substance and its mixtures in batch or continuous operations, including storage , materials transfer, mixing, tableting, compression, pelletisation, extrusion, large and small scale packing, sampling, maintenance and associated laboratory activities.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC14, PROC15	
		Professional (SU22)	Not applicable		
		Consumer (SU21)	Not applicable		
3	Uses in coatings	Industrial (SU3)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi bulk, application by spray, roller, spreader, dip, flow, fluidised bed on production lines and film formation) and equipment cleaning, maintenance and associated laboratory activities.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15	
		Professional (SU22)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi bulk, application by spray, roller, spreader by hand or similar methods, and film formation), and equipment cleaning, maintenance and associated laboratory activities.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19	
		Consumer (SU21)	Covers the use in coatings (paints, inks, adhesives, etc) including exposure during use (including product transfer and preparation, application by brush, spray by hand or similar methods) and equipment cleaning.	PC1, PC4, PC15, PC18, PC23, PC24, PC31, PC0, PC13	

9	Use as a blowing agent	Industrial (SU3)	Use as a blowing agent for rigid and flexible foams, including material transfers, mixing and injection, curing, cutting, storage and packing	PROC1, PROC2, PROC3, PROC4, PROC8b, PROC9, PROC12	
		Professional (SU22)	Not applicable		
		Consumer (SU21)	Not applicable		
17	Use in laboratories	Industrial (SU3)	Use of the substance within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	
		Professional (SU22)	Use of small quantities within laboratory settings, including material transfers and equipment cleaning.	PROC10, PROC15	
		Consumer (SU21)	Not applicable		
12	Use as a fuel	Industrial (SU3)	Covers the use as a fuel (or fuel additive) and includes activities associated with its transfer, use, equipment maintenance and handling of waste.	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC16	
		Professional (SU22)	Covers the use as a fuel (or fuel additive) and includes activities associated with its transfer, use, equipment maintenance and handling of waste.	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC16	
		Consumer (SU21)	Covers consumer uses in liquid fuels	PC13	
4	Use in Cleaning Agents	Industrial (SU3)	Covers the use as a component of cleaning products including transfer from storage, pouring/unloading from drums or containers. Exposure during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping, automated and by-hand) related equipment cleaning and maintenance.	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13	

		Professional (SU22)	Covers the use as a component of cleaning products including pouring/unloading from drums or containers; and exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping, automated and by-hand)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19	
		Consumer (SU21)	Covers general exposure to consumers arising from the use of household products sold as washing and cleaning products, aerosols, coatings, de-icers, lubricants and air care products	PC3, PC4, PC24, PC35, PC38, PC0, Other: 9	
23	Polymer Processing	Industrial (SU3, SU10)	Manufacture of the substance or use as an intermediate or process solvent or extraction agents and subsequent recycling/ recovery, including material transfers, storage, and maintenance	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC13, PROC14	ERC6d
		Professional (SU22)	Manufacture of the substance or use as an intermediate or process solvent or extraction agents and subsequent recycling/ recovery, including material transfers, storage, and maintenance	PROC1, PROC2, PROC8a, PROC8b, PROC14	
		Consumer (SU21)	Not applicable		
	Polymer Production	Industrial (SU3, SU8, SU9)	Manufacture of polymers from monomers in continuous and batch processes, include sparging, discharging, and reactor maintenance and immediate polymer product formation (i.e. compounding, pelletisation, product off-gassing)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8b, PROC8a, PROC14, PROC21	
		Professional (SU22)	Not applicable		
		Consumer (SU21)	Not applicable		

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3	Batch Suspension Polymerisation of Polystyrene (HIPS and GPPS)	Industrial (SU3, SU12)	Manufacture of the substance or use as an intermediate or process chemical or extraction agent. Includes recycling/recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and bulk container), sampling and associated laboratory activities.	PROC2, PROC3, PROC8a, PROC8b, PROC9, PROC14, PROC15	ERC6c
		Professional (SU22)	Not Applicable		
		Consumer (SU21)	Not Applicable		
5	Production of Styrenic Copolymers	Industrial (SU3, SU12)	Manufacture of the substance or use as an intermediate or process chemical or extraction agent. Includes recycling/recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and bulk	PROC2, PROC3, PROC8a, PROC8b, PROC9, PROC15	ERC6c
		Professional (SU22)	Not Applicable		
		Consumer (SU21)	Not Applicable		

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