

			ES 1	ES 2	ES 3	ES 4
No.	Information item	Available options	Manufacturing of Sodium hypochlorite	Industrial use of Sodium hypochlorite : end uses of substance as such or preparations at industrial sites	Use of Sodium hypochlorite in public domain : chemical laboratory, washing and dry cleaning	End user exposure scenario : private households
1	Short title exposure scenario					
1.1	Internal name	Free text	Manufacturing of Sodium hypochlorite	Industrial use of Sodium hypochlorite : end uses of substance as such or preparations at industrial sites	Use of Sodium hypochlorite in public domain : chemical laboratory, washing and dry cleaning	End user exposure scenario : private households
1,2	Sector(s) of Use (SU)	Listing [full description in glossary in line below] - multiple SU per ES possible. Please list as: SU 1, SU 3, ...	SU 8	SU3 (general) SU8, SU9 (Intermediate) SU10, SU4, SU5, SU6, SU11, NACE36, NACE 93,01 (used in specific manufacturing industry)	SU 22	SU21
1,3	Process Category(ies) (PROC)	Selection [full description in glossary in line below]	PROC 1, 2, 3, 4, 8	PROC 1, 2, 3, 4, 5, 8, 9, 13, 14	PROC 13, 15	Not applicable
1,4	Product OR Article category	Select EITHER product OR article category in 1.4.1 or 1.4.2				
1.4.1	Product Category(ies)	Listing [full description in glossary in line below] - multiple PC's per ES possible. Please list as: PC 1, PC 3, ... The use of PC's in worker scenario's is optional and can often be indicated as PC not applicable	Not applicable	Not applicable	Not applicable	PC 34, (35)

1.4.2	Article Category(ies). (AC)	Listing [full description in glossary in line below] - multiple AC per ES possible. Please list as: AC 1, AC 3, ... The use of AC's in worker scenario's is optional and can often be indicated as AC not applicable	Not applicable	Not applicable	Not applicable	Not applicable
1,5	Environmental Release Category(ies) (ERC)	Selection [full description in glossary in line below]	ERC 1	ERC 2, 6A, 6B, 6D, 8E	ERC 8B	ERC 8B
2	Processes and activities					
2,1	Life Cycle Stage	Selection	Manufacturing	Formulation	Use	Use
2,2	Optional: Provide additional information on processes and activities if needed		Mercury process Diaphragm process Membrane process in situ process : electrolysis of salt water solution / sea water	several cases are covered by this exposure scenario : - formulation of household preparations - addition of sodium hypochlorite in several industrial sectors : textiles, paper or paper products impregnating, water treatment by stench reduction or in sit	We tried to group these 2 uses because they are the 2 professional uses we have, and the ECETOC TRA Worker tool makes a large difference between professional and industrial uses	sodium hypochlorite is used for - washing /cleaning - bleaching
2,3	Max. process temperature.	Ambient temperature [°C] (default = 20 °C)				
3	Human health - Workers					
3,1	Type of use	Please select professional or industrial use or both	Industrial	Industrial	Professional	
3.2.1	Physical form under conditions of use	Select one of the following options:	Liquid	Liquid	Liquid	
3.3.2	Dustiness category for solid substances.	In case of a solid (powder): select one of the dustiness options.	Not applicable	Not applicable	Not applicable	

3,4	Max. duration of inhalatory exposure.	Explanation on exposure duration > 4 h: equals less than 8 hours 1 h - 4 h: equals less than 4 hours 15 min - 1 h: equals less than 1 hour < 15 min (short term)				
3,5	Outdoor or indoor operation and application of Local Exhaust Ventilation (LEV)	"outdoor" will assume 30% reduction of exposure compared to indoor without LEV, for indoor please specify whether LEV is used:				
3,6	Use of respiratory protection equipment (RPE).	Indicate type of RPE, when RPE is used on a regular basis. Please also indicate the efficiency e.g. >90% for half face mask, >95% for full face mask:				
3,7	Use of dermal protective clothes and gloves.	Select Yes / No	Yes	Yes		No
	Eye protection	Select Yes / No	Yes	Yes		No

3,8	Dilution factor of the product.	Free text. e.g. factor 2 = 50%, 4 = 25%, always based on product entering the process) [Required to determine the max. concentration of the substance in the product at process stage]				
4	Consumer exposure					
4.1.1	Product Sub-category(ies)	Selection from list offered based on the selection of PC in 1.4.1				
4.1.2	Article Sub-category(ies)	Selection from list offered based on the selection of AC in 1.4.2				
4,2	Is the Product a spray?	Select Yes / No	No	No		Yes
4,3	Maximum fraction of the product in the consumer product used per consumer per event	Maximum fraction of product in the consumer product (e.g. 0.1 = 10%, maximum value = 1=100%) [-]				
4,4	Max. dermal contact area with skin	Select the appropriate option(s):				
4,5	Max. oral contact area with mouth	Select the appropriate option(s):				

4,6	Maximum amount used per consumer per event	Free text. Maximum amount of consumer product used per event (consumer use) [g] :				
4,7	Optional : provide risk management measures if needed	Free text				
5	Environmental exposure					
5,1	Maximum amount of product used per year. If the amount used is variable, use the higher value as the maximum tonnage to be covered.	Select tonnes of product per year				
5,2	Use of sewage/waste water treatment plant (STP) for selected ERC	STP may not be applicable, no STP may be used or a public (=default), onsite or a combination of both (in case of STP, please also see section 5.5.4)				Public
5,3	Max. number of emission days per year	Number of emission days per year (ERC defaults for Life Cycle Stage (LCS) and tonnage are proposed, if spERCs are used, this will be replaced by spERC default)	365	365	260 (week-end is not concerned in this type of sectors)	
5.5.1	Treatment of waste air	Select the appropriate option:				None
		Efficiency, where applicable [%]:				
5.5.2	Treatment of waste solids	Select the appropriate option:				

		if "Other", please give detailed information				
5.5.3	Treatment of waste liquids (not for waste water - see 6.2.4)	Select the appropriate option:				Other
		if "Other", please give detailed information				urban waste water treatment
5.5.4	Treatment of waste water					
6	Waste Management Measures					
6,1	Information on measures to control risk during production and use stages of substance, preparation or article	See for protective measures the measures provided for handling the product if the product becomes waste further down the supply chain				Not applicable
6,2	Information on measures to control risk at the end of service life of substance, preparation or article	See for protective measures the measures provided for handling the product if at the waste life cycle stage: Attach information which should be communicated further down the supply chain.				Not applicable
7	Exposure prediction					
	Human - inhalation					
	Human - dermal [mg/cm ²]					
	Human - oral					
	Environmental					
8	Boundaries set by Exposure Scenario					

8,1	Please provide additional information that you deem relevant for this use, Operational Conditions and Risk Management Measures					
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