

**ANNEX 3 Overview of emission scenarios and their status**

January 2004

<b>Pt</b>	<b>Description of product type</b>	<b>Life cycle stage</b>	<b>Status</b>	<b>Remark(s)</b>
1	Human hygiene biocidal products	Private use	EUBEES 2 (Royal Haskoning Report 4L1784.A0/R016)	Existing generic TGD scenario based on [1] annual tonnage or [2] average consumption adapted for use for biocides
		Professional use	EUBEES 2 (Royal Haskoning Report 4L1784.A0/R016)	Existing generic TGD scenario based on annual tonnage, adapted for biocides
2	Private area and public health area disinfectants and other biocidal products			
	- Swimming pools	Industrial use	RIVM report 601450 009	Public swimming pools; acute and chronic situations
		Professional/Private use	RIVM report 601450 009	Public and private swimming pools; acute situation
	- Sanitary sector	Formulation	RIVM report 601450 009	Existing emission scenario document 1 of TGD + generic B-tables for IC-5
		Private use	EUBEES 1 (RIVM report 601450 008)	Based on annual tonnage
		Private use	EUBEES 1 (RIVM report 601450 008)	Based on average consumption
	- Horticulture	Industrial use	RIVM report 601450 009	Existing emission scenario of USES for household products used for fogging
	- Tiles and surfaces	Formulation	RIVM report 601450 009	Existing emission scenario document 1 of TGD + generic B-tables for IC-5
		Private/Industrial use	RIVM report 601450 009	Existing generic TGD scenario based on annual tonnage
	- Medical sector			
	-- Disinfection of rooms, furniture and objects	Industrial use/Service life	EUBEES 1 (RIVM report 601450 008)	- Based on annual tonnage - Based on average consumptions
	-- Disinfection of instruments	Industrial use/Service life	EUBEES 1 (RIVM report 601450 008)	- Disinfection of scopes in washers - Disinfection of other instruments
	-- Laundry disinfectants	Industrial use/Service life	EUBEES 1 (RIVM report 601450 008)	- Washing streets - Tumbler washing machines
	-- Hospital waste disinfectants	-		

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	-- Disinfectants with more than one application	-		Summing of outcomes scenarios of medical sector
	- Disinfection of air conditioning systems	-		
	- Disinfection of industrial areas	-		
	- Disinfectants for sewage and wastewater	Industrial use	RIVM report 601450 009	Preliminary emission scenario
	- Soil and other disinfectants, .....	-		
	- Disinfection of chemical toilets	-		
3	Veterinary hygiene biocidal products:			
	- Disinfection of animal housing	Industrial use	RIVM report 601450 009	Adaptation of RIVM report 679102 033
	- Disinfection of footwear and animals' feet	Industrial use	RIVM report 601450 009	Adaptation of RIVM report 679102 033
	- Disinfection of milk extraction systems	Industrial use	RIVM report 601450 009	Adaptation of RIVM report 679102 033
	- Disinfection of means of transport	Industrial use	RIVM report 601450 009	Adaptation of RIVM report 679102 033
	- Disinfection of hatcheries	Industrial use	RIVM report 601450 009	Adaptation of RIVM report 679102 033
	- Disinfection of fish farms	-		
4	Food and feed area disinfectants	-		
5	Drinking water disinfectants	-	EUBEES 2 (UBA report)	
6	In-can preservatives		EUBEES 2 (Royal Haskoning Report 4L1784.A0/R018)	Overview of available ESDs
	- Washing and cleaning fluids, human hygienic products and cosmetics	Private use	RIVM report 601450 009	- New; based on annual tonnage - New; based on average consumption
	- Detergents	Private use	RIVM report 601450 009	
	- Paints and coatings	Industrial use	RIVM report 601450 009	Existing emission scenario document IC-14 of TGD + generic B-tables for IC-14
		- Product formulation - Product application)		
		Waste treatment	RIVM report 601450 009	Based on RIVM report 601450 003
	- Fluids used in paper production	Industrial use	EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0183)	- Drying sections after size-pressing - Broke
		Recycling	EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0183)	
	- Fluids used in textile production	Industrial use	EUBEES 1 (INERIS report DRC-01-	

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	- Fluids used in leather production	Industrial use	25582-ECOT-CTi/VMi-n°01DR0176) EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0165)	
	- Lubricants	-		
	- Machine oils	-		
	- Fuels	-		
7	Film preservatives		EUBEES 2 (Royal Haskoning Report 4L1784.A0/R017)	Overview of available ESDs
	- Paints and coatings	Industrial use - Product formulation - Product application - Service life - Disposal	EUBEES 2 (Royal Haskoning Report 4L1784.A0/R017)	
	- Plastics	-		
	- Glues and adhesives	Waste treatment	RIVM report 601450 009	Based on RIVM report 601450 003
	- Paper and cardboard	Industrial use  Recycling	EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0183) EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0183)	- Drying sections after size pressing - Broke
8	Wood preservatives	Industrial use Product application Treated product service life Waste treatment	OECD OECD OECD -	Scenarios formulated in ECB spreadsheet Scenarios formulated in ECB spreadsheet Scenarios formulated in ECB spreadsheet
9	Fibre, leather, rubber and polymerised materials preservatives		EUBEES 2 (Royal Haskoning Report 4L1784.A0/R019)	Overview of available ESDs
	- Textile and fabrics	Industrial use  Service life	EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0176) EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0176)	Application steps in textile processing
	- Leather and hides	Industrial use	EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi-n°01DR0165)	
	- Rubber, plastics and other polymerised materials	Manufacture	EUBEES 2 (Royal Haskoning Report 4L1784.A0/R019)	

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		Service life	EUBEES 2 (Royal Haskoning Report 4L1784.A0/R019)	
		Disposal	EUBEES 2 (Royal Haskoning Report 4L1784.A0/R019)	
	- Paper and cardboard	Industrial use	EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0183)	- Drying sections after size-pressing - Broke
		Recycling	EUBEES 2 (RIVM/FEI report 601450 010) EUBEES 1 (INERIS report DRC-01-25582-ECOT-CTi/VMi-n°01DR0183)	
10	Masonry preservatives	Industrial use	EUBEES 2 (INERIS report DRC-02-25582-ECOT-VMi-n°02DR0270)	
11	Preservatives for liquid-cooling and processing systems	Service life	EUBEES 2 (Royal Haskoning Report 4L1784.A0/R015)	as compared to CA-version: minor corrections (typos) carried out
12	Slimicides	Industrial use	EUBEES 2 (Royal Haskoning Report 4L1784.A0/R020)	as compared to CA-version: minor corrections (typos and copy/pastes in duplicate tables summary/and last section) carried out
13	Metalworking-fluid preservatives	Industrial use	EUBEES 2 (RIVM/FEI report 601450 010) EUBEES 2 (Royal Haskoning Report 4L1784.A0/R008)	
14	Rodenticides	Professional use	EUBEES 2 (Danish EPA report)	Scenarios formulated in ECB spreadsheet
15	Avicides	Professional use	EUBEES 2 (Cabinet Paracelse report)	
16	Molluscicides			
17	Piscicides			
18	Insecticides, acaricides and products to control other arthropods			
	- Insecticides for manure	Industrial use	RIVM report 601450 009	i.e. manure storage systems
	- Insecticides for stables	Industrial use	RIVM report 601450 009	i.e. animal housings
	- Refuse dumps	-		
	- Insecticides for empty spaces and spaces with stocks	Industrial use	RIVM report 601450 009	Existing emission scenario of USES for household products used for fogging
	- Aerosols/fumigants used outdoors	Industrial use	RIVM report 601450 009	
	- Aerosols/fumigants used within	Industrial use	RIVM report 601450 009	Existing emission scenario of USES for

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	fumigation installations - Aerosols/fumigants used indoors	Industrial use	RIVM report 601450 009	household products used for fogging Existing emission scenario of USES for household products used for fogging
19	Repellents and attractants	-		
20	Preservatives for food or feedstocks	-		
21	Antifouling products	Application Service life Removal	Draft available	OECD harmonisation.
22	Embalming and taxidermist fluids	Industrial use	EUBEES 1 (INERIS report DRC-01- 25582- ECOT-CTi/VMi-n°01DR0175)	- Taxidermy - Embalming
23	Control of other vertebrates	-		