

# **Succinct summary of representative risk management measures (RMMs) and operational conditions (OCs)**

## **Public version**

Legal name of applicant(s): Siemens Healthcare Diagnostics Products GmbH (Marburg Germany).

Submitted by: Siemens Healthcare Diagnostics Products Ltd. (Llanberis UK, Only Representative)

Substance: Entry #12: 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated, covering well-defined substances and UVCB substances, polymers and homologues  
(Triton™ X-100, Triton™ X-405)

Use title: #1: Use of IVD kit reagents on diagnostic analyser systems by professional users  
#2: Use of IVD wash solutions on diagnostic analyser systems by professional users

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**Exposure Scenario (ES) 1: Widespread use by professional workers – Use #1 - Use of IVD-kit reagents on diagnostic analyser systems**

ECS and WCS	Task (ERC/spERC or PROC)	Annual amount per site (2022)	Technical RMMs, including:	Organisational RMMs, including:	PPE (characteristics)	Other conditions	Effectiveness of waste water and waste air treatment (for ERC)	Release factors: water, air and soil (for ERC)	Detailed info. in CSR (section)
<b>ES 1</b>	ERC 8a Use of IVD-kit reagents on diagnostic analyser systems	n.a.	- automatic process - after use OPE containing solutions are collected and discharged to communal wastewater*** - solid waste is disposed of for incineration**	- only well trained personnel* - high laboratory and hygienic standard*			0 - 67%	water: 33 - 100% air: no release soil: no releases; sludge applied to agricultural soil: yes	9
<b>WCS 1</b>	PROC 15: Use of IVD-kit reagents on diagnostic analyser systems		- basic general ventilation	- 8 h/day - only well trained personnel* - high laboratory and hygienic standard*	laboratory PPE: gloves, goggles, coats and shoes	OPE concentration: < 5%			
<b>WCS 2</b>	PROC 8b: collection of OPE-containing wastewater and discharge to communal waste water		- basic general ventilation	- 8 h/day - only well trained personnel* - high laboratory and hygienic standard*	laboratory PPE: gloves, goggles, coats and shoes	OPE concentration: < 0.01%			
<b>WCS 3</b>	PROC21: collection, transport and disposal of solid waste		- basic general ventilation	- 8 h/day - only well trained personnel* - high laboratory and hygienic standard*	laboratory PPE: gloves, goggles, coats and shoes	OPE concentration: < 0.1%			

**Exposure Scenario (ES) 2: Widespread use by professional workers – Use #2 - Use of IVD-kit wash-solutions on diagnostic analyser systems**

ECS and WCS	Task (ERC/spERC or PROC)	Annual amount per site (2022)	Technical RMMs, including:	Organisational RMMs, including:	PPE (characteristics)	Other conditions	Effectiveness of waste water and waste air treatment (for ERC)	Release factors: water, air and soil (for ERC)	Detailed info. in CSR (section)
<b>ECS 1</b>	ERC 8a Use of IVD-wash solutions on diagnostic analyser systems	n.a.	- automatic process - after use OPnEO containing solutions are collected and discharged to communal wastewater*** - solid waste is disposed of for incineration**	- only well trained personnel* - high laboratory and hygienic standard*			0 - 85 %	water: 15 - 100% air: no release soil: no release; sludge applied to agricultural soil: yes	9
<b>WCS 1</b>	PROC 5, PROC 8a: dilution of IVD-wash solutions		- basic general ventilation	- 8 h/day - only well trained personnel* - high laboratory and hygienic standard*	laboratory PPE: gloves, goggles, coats and shoes	OPE concentration: < 5%			
<b>WCS 2</b>	PROC 15: Use of IVD-wash solutions on diagnostic analyser systems		- basic general ventilation	- 8 h/day - only well trained personnel* - high laboratory and hygienic standard*	laboratory PPE: gloves, goggles, coats and shoes	OPE concentration: < 5%			

ECS and WCS	Task (ERC/spERC or PROC)	Annual amount per site (2022)	Technical RMMs, including:	Organisational RMMs, including:	PPE (characteristics)	Other conditions	Effectiveness of waste water and waste air treatment (for ERC)	Release factors: water, air and soil (for ERC)	Detailed info. in CSR (section)
<b>WCS 3</b>	PROC 8b: collection of OPE-containing wastewater and discharge to communal waste water		- basic general ventilation	- 8 h/day - only well trained personnel* - high laboratory and hygienic standard*	laboratory PPE: gloves, goggles, coats and shoes	OPE concentration: < 0.01%			
<b>WCS 4</b>	PROC21: collection, transport and disposal of solid waste		- basic general ventilation	- 8 h/day - only well trained personnel* - high laboratory and hygienic standard*	laboratory PPE: gloves, goggles, coats and shoes	OPE concentration: < 0.1%			

\* All steps are performed by trained personnel.

\*\* this means: Collection of any physical materials which may be contaminated with OPnEO, subsequent disposal and incineration of these items as solid waste

\*\*\* in compliance with UK legislation on waste water and waste

**Abbreviations:** WCS=Worker contributing scenario, ECS=Environmental Contributing Scenario,\* ERC=Environmental Release Category (or spERC if available) , PROC=Process category, LEV=Local Exhaust Ventilation, PPE=Personal Protective Equipment