

## SUCCINCT SUMMARY OF REPRESENTATIVE RISK MANAGEMENT MEASURES (RMM) AND OPERATIONAL CONDITIONS (OC)

The use of 4-(1,1,3,3 tetramethylbutyl)phenol, ethoxylated ('OPnEO') for the lysis of different types of cells in order to release the cell contents for subsequence analysis in diagnostics.

ECS and LCS	Task (ERC / PROC)	Annual amount of OPnEO placed on the UK market (tonnes /year)  (highest amount per year expected within the requested review period)	Technical RMMs, including: *Containment, *Ventilation (general, LEV...) *customised technical installation, etc	Organisational RMMs, including: *Duration and Frequency of exposure *OSH management system *Supervision *Monitoring arrangements *Training, etc	PPE	Other conditions	Effectiveness of wastewater and waste air treatment (for ERC)	Release factors: water, air and soil (for ERC)	Detailed info. in CSR (section )
<b>ECS 1- Used as a processing aid in imported diagnostics</b>	ERC 8a	[REDACTED] [1E-02 – 10E-02]	<ul style="list-style-type: none"> <li>• BD do not use diagnostics</li> <li>• Total volume of OPnEO imported into the UK spread across the DU present in the UK</li> <li>• OPnEO is contained within the diagnostic</li> <li>• Very low volumes of OPnEO per diagnostic ([REDACTED] [1E-02 – 10 E-02] tonnes OPnEO across &lt; [REDACTED] [15,000 – 25,000] diagnostics per year)</li> <li>• BD guidance and local legislation result in solid waste for incineration</li> </ul>	<ul style="list-style-type: none"> <li>• Frequency: Daily use by DU (LCS 2).</li> <li>• Guidance on use, disposal and waste characterisation provided to DU by BD</li> <li>• Solid waste to be incinerated</li> </ul>	N/A	N/A	<ul style="list-style-type: none"> <li>• Wastewater emissions: mix of incineration and direct to drain (worst case approach)</li> <li>• Incineration: 100% destruction of the OPnEO. Thus removal of exposure pathway</li> <li>• No emissions to the air; No emissions to the ground</li> </ul>	<ul style="list-style-type: none"> <li>• Water: 30%</li> <li>• Air: no release</li> <li>• Soil: no release</li> </ul>	9.2.1 and 9.2.2

CBI 1 & 2
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**CHEMICAL SAFETY REPORT**  
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<b>LCS 2 - Use of diagnostics by downstream users</b>	PROC 15	[REDACTED] [1E-02 - 10E-02]	<ul style="list-style-type: none"> <li>Diagnostic operation takes place in a laboratory setting</li> <li>Majority of diagnostic operations using diagnostics take place in closed conditions</li> <li>There is no cleaning and maintenance of the diagnostics under normal operating conditions</li> </ul>	<ul style="list-style-type: none"> <li>Daily use by DU across UK. No exposure to OPnEO during operation</li> </ul>	PPE requirement dependent on end use	N/A	N/A	N/A	9.2.1 and 9.2.3

CBI 1

**Abbreviations:** LCS=Life Cycle Stage, ECS=Environmental Contributing Scenario, ERC=Environmental Release Category, PROC= Process category, LEV=Local Exhaust Ventilation, PPE=Personal Protective Equipment