































BSPS COSHH Risk assessment

POCT-BSPS-COSHH-001

Site: RBH, ASPH, RSH, WPH and FPH	Department: POCT
Name of substance (this should include the trade name and chemical name): Radiometer SDS M1 038 sensor cassettes: 946-005 SC90 300 BG, LYT, MET, OXI + QC 946-009 SC90 900 BG, LYT, MET, OXI + QC 946-060 SC90 1200 BG,LYT,MET,OXI+QC 946-010 SC90 100 BG, LYT, MET, OXI +QC 946-008 SC90 600 BG, LYT, MET, OXI + QC 946-705 SC90 Ki 300 BG, LYT, MET, UREA, CREA, OXI + QC	Physical form (aerosol; gas; fumes; dust; liquid; powder etc) Cassette containing inner liquid electrolyte and salts.
CAS Registration number: None	Additional comments:
Suppliers name: Radiometer Ltd	Suppliers contact information: Manor Court Manor Royal, Crawley Crawly, West Sussex RH10 9FY Tel: +44 (0) 1293 517599 www.radiometer.co.uk
Description of the process where chemical/substance/product is used: Sensor cassettes are self-contained ABL90 FP packs for the measurement of the parameters shown on the label of the box that contains the sensor cassette. They are placed in a compartment inside the machine. The machines are located in acute, medical, surgical and urgent care wards across all BSPS POCT sites.	
Is there a safe system of work for the activity? <input checked="" type="radio"/> (Yes) <input type="radio"/> (No)	Is it possible for the hazardous substance to be substituted for a safer alternative? <input type="radio"/> (Yes) <input checked="" type="radio"/> (No)

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Safety/Risk Phrases	Hazard Classification (corrosive; environmental hazard; irritant; oxidising agent etc)	Route of entry (absorption; ingestion; inhalation; injection etc)	On each occasion quantity used:	On each occasion duration of exposure (minutes)	Frequency of exposure
None	<p>Under the REACH regulation, this product is defined as an article with no intended release of substances.</p> <p>The product is not covered by the regulations on classification and labelling of chemical substances and materials.</p>	<p>Absorption and ingestion but not relevant due to design of product unless cassette breaks.</p> <p>Skin and eye contact by absorption. Ingestion not likely, due to the form of the product.</p>	Small quantities. Cassette size is 2ml	Staff will not be in direct contact with contents as they are self-contained unless damage to cassette occurs. Sample processing takes less than a minute and maintenance varies but is less than 30minutes. During sample processing cassette is locked in its compartment at all time.	Daily. Due to the design of the product, exposure is likely to be brief and in small quantities.
Individuals/Groups exposed ? Patients/Staff/Visitors/Contractor		Numbers of individuals potentially exposed. 40 POCT staff who do maintenance and engineers.			
Does the substance have a Workplace Exposure Limit (WEL)? Yes/No		If there is a WEL, what is it? (EH40 reference information to be included i.e.)			
<p>Likely effects on the body from the substance:</p> <p>Due to the design of the product, exposure is likely to be brief and in small quantities. Skin contact: Prolonged or repeated contact may cause irritation. Eye contact: Direct contact may irritate. Ingestion: Not likely, due to the form of the product.</p>					
Controls					
<p>Describe the existing controls in place (your description should include ventilation such natural, mechanical and LEVs; segregation; substitution to less hazardous substance; use of substance in a different form; restrict access; staff rotation etc)</p> <p>Due to the design of the product, exposure is likely to be brief and in small quantities. No special precautions when handling undamaged units. Damaged units -Staff should avoid contact with skin and eyes. Cassette changes are restricted to POCT staff only. Once removed from the machines the packs are disposed in SULO bins in their original containers and sealed to avoid spillages if any.</p>					

<p>Health surveillance: Is health surveillance required? If yes, please outline what is required and the current arrangements with Trust Occupational Health Departments.</p> <p>Not required</p>	<p>Atmospheric monitoring: Is atmospheric monitoring required? If yes, please outlined the process currently in use. Please ensure that all records of atmospheric monitoring are retained in line with recommended record retention period.</p> <p>Not required</p>																				
<p>Storage and transport:</p> <p>No special precautions when handling undamaged units. Always keep upright and store in POCT fridge until required.</p>	<p>Disposal:</p> <p>Disposed in UN3291 clinical waste SULO bins with a lid on in its original container. Any broken cassettes are collected in containers and sealed securely. Due to the design of the product, exposure is likely to be brief and in small quantities</p>																				
<p>PPE used:</p>																					
<table border="1"> <tr> <td></td> <td></td> <td></td> <td> Laboratory coat</td> <td></td> <td></td> <td> Glasses/Goggles</td> <td></td> <td> Gloves</td> <td> Hygiene</td> </tr> <tr> <td>Hard Hat</td> <td>Ear Prot.</td> <td>Boots</td> <td>Laboratory coat</td> <td>Dust Mask</td> <td>Respirator</td> <td>Glasses/Goggles</td> <td>Face Prot.</td> <td>Gloves</td> <td>Hygiene</td> </tr> </table>					 Laboratory coat			 Glasses/Goggles		 Gloves	 Hygiene	Hard Hat	Ear Prot.	Boots	Laboratory coat	Dust Mask	Respirator	Glasses/Goggles	Face Prot.	Gloves	Hygiene
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<p>Apron is preferred over lab coat. When POCT performs maintenance in Covid areas, they will need to abide by the trust policy. Therefore, a respirator mask, hat, shoe covers and gown may be required but this is not related to use of packs on the blood gas machine.</p>																					
<p align="center">Emergency procedures</p>																					
<p>First Aid:</p> <p>Not relevant during normal use. In case of breakage of the packaging:</p> <p>Inhalation: Not relevant. Skin contact: Wash skin with soap and water. Eye contact: Rinse with water. Ingestion: Rinse mouth and drink plenty of water</p>	<p>Management of Spillages</p> <p>Absorb spillage with suitable absorbing material. Flush away small spillages with plenty of water. Personal precautions: Avoid contact with skin and eyes. Environmental precautions: Avoid discharge into drains, water courses or onto</p>																				

Initial Risk Level Assessment Is the control of the risk adequate? It is important to include more than one level of risk if the substance is used in multiple processes. Please use the risk matrix appropriate for the site you are located at.

Consequence/impact X Likelihood/probability = Insert numerical value and grade (low, medium, high) Unlikely. Risk is 2-low risk

Where risk level is identified as being high following implementation of controls has this been escalated to senior management and discussed in BSPS Health and safety meetings
Yes/No

Action plan (what additional actions are to be taken if the risk level is identified as high or very high)

Proposed action required	By Whom please include title of manager who has been informed	Action Start Date	Action Due Date	Date completed

Risk Level Assessment following additional actions:

Is the control of the risk now deemed as adequate? It is important to include more than one level of risk if the substance is used in multiple processes. Please use the risk matrix appropriate for the site you are located at.

Consequence/impact X Likelihood/probability = Insert numerical value and grade (low, medium, high)

Are the risks now adequately controlled? Yes/No

Communication and staff training:

Induction, training, competency, SOPs, iPassport skill.

Assessor Name: Eulitty Gumunyu	Assessor Title: POCT Coordinator and H&S Officer	Date: 07/11/22	Review date: 21/11/23
Managers Name: David Baulch	Managers Title: POCT Manager	Date: 16/11/23	Review date: 21/11/23