Loughborough University Centre for Biological Engineering



Safety Documentation

	Please select the forms you require by selecting the check boxes below. You can select more than one.							
	Method Statement ☐ Risk Assessment ✓ Chemicals COSHH							
Once you have made your selections, scroll down and complete the forms.								
	Buttons : [+] will add a row to a list [X] will delete a row from a list							
	You may save this file to a local drive at any time. When you have finished, save the file to a local drive and email it to your supervisor for authorisation.							
<u>Supervisors</u> - There is a sign-off section at the end of the document set that must be completed.								
	Staff may "self authorise", (as a supervisor), but the forms must still be submitted to the DSO for approval.							

IMPORTANT:

YOU <u>MUST NOT</u> START ANY PRACTICAL WORK UNTIL THESE FORMS HAVE BEEN RETURNED TO YOU WITH **BOTH** YOUR SUPERVISOR'S AND DSO'S APPROVAL SIGNATURES ATTACHED.

Please complete these fields							
School or Service	Wolfson School of Mechanical, Electrical and Manufacturing Engineering						
Department	Centre for Biological Engineering						
Originator name	Oliver George Frost						
email address	o.g.frost@lboro.ac.uk						
Location	CBE Labs						
Project / Activity / T	Task Isolation of RNA using Quick RNA Miniprep Kit (200 tests)						
Supervisor Name	Prof Rob J Thomas						

Version: 2.34

© 2018 Loughborough University. All rights reserved

Loughborough University Centre for Biological Engineering



COSHH Form

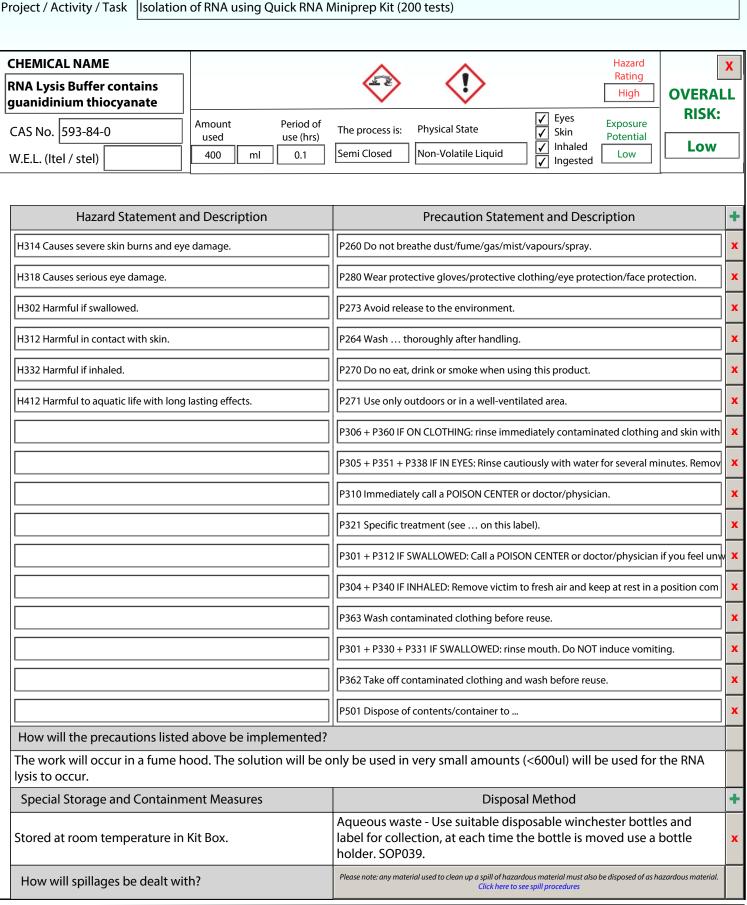
Reference

SAF/MEME/2125-2127

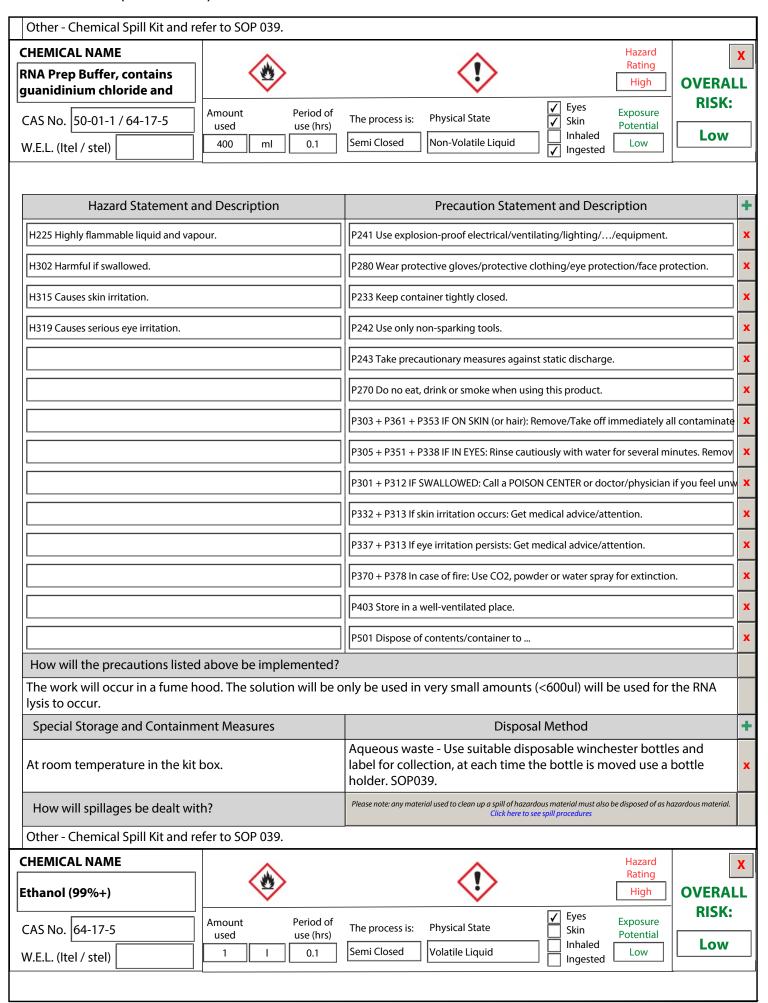
Originator Oliver George Frost

Location

CBE Labs



COSHH Form (Continued)



COSHH Form (Continued)

Hazard Statement and Description	Precaution Statement and Description					
H225 Highly flammable liquid and vapour.	P280 Wear protective gloves/protective clothing/eye protection/face protection.					
H319 Causes serious eye irritation.	P305 + P351 + P338 IF	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remov				
	P337 + P313 If eye irritation persists: Get medical advice/attention. P403 + P233 Store in a well-ventilated place. Keep container tightly closed		x			
			x			
	P303 + P361 + P353 IF	ON SKIN (or hair): Remove/Take off immediately all contaminate	X			
	P210 Keep away from	heat/sparks/open flames/hot surfaces. — No smoking.	x			
How will the precautions listed above be implemented	?					
The work will occur in a fume hood. The solution will be only be used in very small amounts (<600ul) will be used for the RNA washing step.						
Special Storage and Containment Measures		Disposal Method				
Room temperature in a designated locked cabinet.	Aqueous waste - Use suitable disposable winchester bottles and label for collection, at each time the bottle is moved use a bottle holder. SOP039. Please note: any material used to clean up a spill of hazardous material must also be disposed of as hazardous material. Click here to see spill procedures					
How will spillages be dealt with?						
Other - Chemical Spill Kit and refer to SOP 039.						
+ A	dd another chemica	I				
Statement of work (Process to be undertaken)						
			ow			
1 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		lima	age			
Personal protection requirements not covered in the prec	aution statements a	bove.	_			
PPE including lab coat, shoe covers, gloves, glasses.						
Sources of information and references Reference to <u>existing approved</u> Risk Assessn						
Safety Data Sheet ZYMO RESEARCH and ThermoFisher Scientific						

Supervisor to check that the process involving the safe use of these chemicals has been satisfactorily evaluated

With the current controls, the risk of using these chemicals is:

Oliver George Frost 21-Nov-2023 Page 3 of 4

Loughborough University Centre for Biological Engineering



Supervisor and Departmental Safety Office (DSO) Sign-off.

Supervisors

Please check the documents above and if you want to approve them:

- 1) Electronically sign this document
- 2) Save it to a local drive (You will be prompted to do this)
- 3) eMail the signed document to the DSO.

DSO

Please review the documents above and if you want to approve them:

1) Enter the reference numbers as appropriate

2) Electronically sign thi3) Save it to a local drive3) eMail the signed docu	(You will be prompt				
	orm, but click the "Not	SE THE FORMS, : Approved" check-box and em to do to put it right in th			Not Approved
Supervisors Signature					
		Form Reference Nu	mbers		
Risk Assessment		Method Statement		COSHH Assess SAF/MEME/21	
DSO Signature					
This document set mu 1) After the first occurrence 2) After any change to the p	of the activity describ procedure or reagents	oed above (Review only)	e following tim	es:	
3) After any incident resulti4) At least annually from the	21 Nov 2024				
Review comments					

Oliver George Frost 21-Nov-2023 Page 4 of 4