

Safety Documentation

Please select the forms you require by selecting the check boxes below.
You can select more than one.

Risk Assessment Method Statement Chemicals COSHH

Once you have made your selections, scroll down and complete the forms.

Buttons: [+] will add a row to a list [-] 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.

Supervisors - 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 **MUST NOT** 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	School of Aeronautical, Automotive, Chemical and Materials Engineering
Department	Department of Chemical Engineering
Originator name	Jenna Davis
email address	j.davis@lboro.ac.uk
Location	CBE H29
Project / Activity / Task	Fish Oils as antimicrobials
Supervisor Name	Dr Elizabeth Ratcliffe


COSHH Form

Reference

Location


Originator

Project / Activity / Task

CHEMICAL NAME							Hazard Rating High	OVERALL RISK: Medium
Crystal Violet		Amount used 0.25 g	Period of use (hrs) 2	The process is: Semi Closed	Physical State Dusty Solid	<input checked="" type="checkbox"/> Eyes <input type="checkbox"/> Skin <input type="checkbox"/> Inhaled <input checked="" type="checkbox"/> Ingested	Exposure Potential Low	
CAS No. <input type="text" value="548-62-9"/>								
W.E.L. (Itel / stel) <input type="text"/>								

This chemical has a high health risk associated with it.


Hazard Statement and Description	Precaution Statement and Description	
H302 Harmful if swallowed.	P201 Obtain special instructions before use.	X
H318 Causes serious eye damage.	P273 Avoid release to the environment.	X
H341 Suspected of causing genetic defects.	P280 Wear protective gloves/protective clothing/eye protection/face protection.	X
H350 May cause cancer.	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove	X
H410 Very toxic to aquatic life with long lasting effects.	P308 + P313 IF exposed or concerned: Get medical advice/attention.	X
Justify the use of this chemical:	Chemical is supplied as a powder and will be prepared using water in a 1%(v/v) solution. This is a very commonly used chemical to stain bacteria and is needed for standard methodology	
How will the precautions listed above be implemented?		
PPE worn at all time and all work conducted within the BSC		
Special Storage and Containment Measures	Disposal Method	
Store in a cool dry place in a tightly sealed container	Biological waste (See specific RA)	X
How will spillages be dealt with?	<i>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</i>	
Spill kit		

CHEMICAL NAME							Hazard Rating High	OVERALL RISK: Low
Ethanol		Amount used 10 ml	Period of use (hrs) 2	The process is: Semi Closed	Physical State Volatile Liquid	<input checked="" type="checkbox"/> Eyes <input type="checkbox"/> Skin <input type="checkbox"/> Inhaled <input type="checkbox"/> Ingested	Exposure Potential Low	
CAS No. <input type="text" value="64-17-5"/>								
W.E.L. (Itel / stel) <input type="text"/>								

Hazard Statement and Description	Precaution Statement and Description	
H225 Highly flammable liquid and vapour.	P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.	X
H319 Causes serious eye irritation.	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove	X
	P370 + P378 In case of fire: Use ... for extinction.	X
	P403 + P233 Store in a well-ventilated place. Keep container tightly closed	X

COSHH Form (Continued)

How will the precautions listed above be implemented?		
PPE worn at all time and all work conducted within the BSC		
Special Storage and Containment Measures	Disposal Method	+
Stored in the flammables cabinet, cool dry place in a tightly sealed container	Cytotoxic (purple) waste route	x
How will spillages be dealt with?	<i>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</i>	
Absorbent cloth / tissue		

CHEMICAL NAME Tetracycline			Hazard Rating Medium	<div style="border: 1px solid black; padding: 2px; display: inline-block;">x</div> OVERALL RISK: <div style="border: 1px solid black; padding: 2px; display: inline-block; background-color: #e0ffe0;">Low</div>
	CAS No. <input type="text" value="60-45-8"/> W.E.L. (Itel / stel) <input type="text"/>	Amount used: <input type="text" value="0.1"/> <input type="text" value="g"/> Period of use (hrs): <input type="text" value="1"/>	The process is: <input type="text" value="Semi Closed"/> Physical State: <input type="text" value="Dense Solid"/>	

Hazard Statement and Description	Precaution Statement and Description	+
H302 Harmful if swallowed.	P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell	x
How will the precautions listed above be implemented?		
PPE worn at all times and work to be performed in the BSC		
Special Storage and Containment Measures	Disposal Method	+
Keep in a tightly sealed container in a cool environment. To be stored in the fridge as also sensitive to light	Biological waste (See specific RA)	x
How will spillages be dealt with?	<i>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</i>	
Absorbent cloth / tissue		

+ Add another chemical

Statement of work (Process to be undertaken)

Crystal violet applied to stain bacteria cells after described killing assay. Ethanol is needed to dehydrate samples for use with the SEM and tetracycline is to be used in the bacterial killing assay.	Show image
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Personal protection requirements not covered in the precaution statements above.

Sources of information and references

Reference to **existing approved** Risk Assessment

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

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

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 this document
- 3) Save it to a local drive (You will be prompted to do this)
- 3) eMail the signed document to the originator

IF YOU DO NOT WANT TO AUTHORISE THE FORMS,

Please do not sign the form, but click the "Not Approved" check-box and return it to the originator by email stating why and what you expect them to do to put it right in the comments box below.

Not Approved

Supervisors Signature

Form Reference Numbers

Risk Assessment

Method Statement

COSHH Assessment

DSO Signature

This document set must be reviewed and re-approved at the following times:

- 1) After the first occurrence of the activity described above (Review only)
- 2) After any change to the procedure or reagents used
- 3) After any incident resulting from this activity
- 4) At least annually from the date of approval

Next Review:

Review comments