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 [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.

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
Project / Activity / Task	Investigating fish oils and antimicrobials
Supervisor Name	Dr Elizabeth Ratcliffe

Version : 2.20

© 2018 Loughborough University. All rights reserved

Loughborough University
Department of Chemical Engineering

COSHH Form

Reference: SAF/MEME 847

Location: CBE

Originator: Jenna Davis

Project / Activity / Task: Investigating fish oils and antimicrobials

CHEMICAL NAME

Carbonyl cyanide 3-chlorophenylhydrazone

CAS No. 555-60-2

W.E.L. (Itel / stel)

Hazard Rating: High

OVERALL RISK: Medium

Amount used		Period of use (hrs)	The process is:	Physical State		Exposure Potential
0.25	g	1	Semi Closed	Dusty Solid	☑ Eyes ☑ Skin ☑ Inhaled ☑ Ingested	Low

Hazard Statement and Description	Precaution Statement and Description
H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhal	P280 Wear protective gloves/protective clothing/eye protection/face protection.
H315 Causes skin irritation.	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
H319 Causes serious eye irritation.	P330 Rinse mouth.
H335 May cause respiratory irritation.	P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position com
	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remov

How will the precautions listed above be implemented?

All work will be performed within the BSC so ability to inhale or ingest the substance is greatly reduced, and the window will reduce the risk of exposure to the eyes. Lab coats and gloves will be worn at all times to protect the skin from exposure. CCCP will be added to broth and so in liquid format during its use.

Special Storage and Containment Measures	Disposal Method
Store at -20C	Chemical will be used in solution of bacteria, waste solution will be added to 1:20 chemgene and left for 24 hours, then bottled and disposed of via the cytotoxic waste route

How will spillages be dealt with?

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

Absorbent cloth / tissue

+ Add another chemical

Statement of work (Process to be undertaken)

CCCP is added to bacterial stock before being applied to MIC bacterial killing assay as outlined in RA CBE167.

Show image

Personal protection requirements not covered in the precaution statements above.

Lab coat, gloves, shoe covers and googles when needed.

Sources of information and references

Sigma aldrich MSDS

Reference to **existing approved** Risk Assessment

CBE167

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

COSHH Form (Continued)

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: Elizabeth Ratcliffe — Digitally signed by Elizabeth Ratcliffe Date: 2020.11.17 16:37:55 Z

Form Reference Numbers

Risk Assessment	Method Statement	COSHH Assessment
		SAF/MEME 847

DSO Signature: Keven G Smith — Digitally signed by Keven G Smith Date: 2020.11.30 17:30:10 Z

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: 17/11/2021

Review comments