- 1. Use clearly labelled glass solvent containers.
- 2. Minimal quantities to be kept in the lab.
- 3. Main solvent storage in DB G29 in an approved metal cabinet.
- 4. Solvent quantity restricted to one small bottle per bench.
- 5. Do not place flammable material near beam path.
- 6. Avoid breathing vapours, mist or gas.
- 7. Remove all sources of ignition.
- 8. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- 9. For very small spills wipe up with a blue roll or leave to evaporate.
- 10. Room DB G29 has a chemical spill mat, which should be used in case of a chemical spill.
- 11. If you have spilt a significant amount, evacuate all personnel (including you) to a safe area and shut off lab. You may have created a flammable atmosphere. Contact the School Safety Officer.

Files Uploaded

File Name

Activities

Act No	Method	Area	Exposure
1	Decanting	General Laboratory	Less than 5 minutes per shift
2	Cleaning Up (Spill)	General Laboratory	Less than 5 minutes per shift
3	Dispensing	General Laboratory	Less than 5 minutes per shift
4	Disposal	General Laboratory	Less than 5 minutes per shift
4	Disposal	General Laboratory	Less than 5 minutes per sh

Work Area

Work Area Code Sub Area Code EPS IPAQS DTR

Safer Substitute Chosen

Reason for leaving/swapping material

FACILITY HERIOT WATT **EPS IPAQS DTR IMC** MAIN **SUB** 408709

Material/Process

OPTIC CLEANING USING ACETONE AND IPA

LOW HAZARD

HERIOT-WATT Supplier Keyword Acetone

Contents

A: Acetone: < 2.5l, A: Propan-2-ol: < 2.5l

Signal Word

2-Propanol 67-63-0 STEL 500 ppm **Exp Limit**

1,250 mg/m3

UK. EH40 WEL - Workplace

Health Hazards

H225: Highly flammable liquid and vapour.

H319 - Causes serious eye irritation

H336 May cause drowsiness or dizziness (referred to cleaning solvents: IPA and Acetone)



Considerations

Method Cleaning Up (Spill) **General Laboratory** Exposure Less than 5 minutes per shift **LOW ACUTE RISK - FULL EXPOSURE LOW CHRONIC RISK - FULL EXPOSURE**

Control Measures

LOW CHRONIC RISK

LOW ACUTE RISK - INDIVIDUAL ACTIVITY







Less than 100ml -- use blue roll and dispose of in a well ventillated area. Above 100ml use spill kit, obtainable from EPS Perkin stores.

First Aid

If you require assistance pick up red phone OR dial extension 2222 (internal phone) OR safezone. First aid box in the corridor outside lab.

Fire

Trigger fire alarm and evacuate building. Call to 2222 or use safezone to alert security.

If safe to do so, use an appropriate fire extinguisher in the corridor to extinguish the fire, e.g. foam, dry powder or carbon dioxide



Activity Comments

For small spills use blue roll to clean up the spill and leave the roll in a well ventillated area to appropriate. Safety in the use of assessments is the safetly evaporate. For large spills, obtain a spill kit from Perkin stores. Marigold gloves and eye protection to be worn.

This assessment was compiled by a Self Authoring Module user from supplier's data safety sheets where responsibility of the Self Authoring Module author/authoriser and end user.

Date Printed 27/05/2024



Material/Process

OPTIC CLEANING USING ACETONE AND IPA

Supplier Keyword **HERIOT-WATT**

Acetone

Signal Word

Method



Cleaning Up (Spill) **General Laboratory** Less than 5 minutes per shift Exposure **LOW ACUTE RISK - FULL EXPOSURE LOW CHRONIC RISK - FULL EXPOSURE Control Measures**

LOW ACUTE RISK - INDIVIDUAL ACTIVITY LOW CHRONIC RISK





Health Hazards

H225: Highly flammable liquid and vapour.

H319 - Causes serious eye irritation

H336 May cause drowsiness or dizziness (referred to cleaning solvents: IPA and Acetone)

Activity Comments

For small spills use blue roll to clean up the spill and leave the roll in a well ventillated area to safetly evaporate. For large spills, obtain a spill kit from Perkin stores. Marigold gloves and eye protection to be worn.



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Date Printed 27/05/2024



Material/Process

OPTIC CLEANING USING ACETONE AND IPA

LOW HAZARD

HERIOT-WATT Supplier Keyword Acetone

Contents

A: Acetone: < 2.5l, A: Propan-2-ol: < 2.5l

Exp Limit

Signal Word

1,250 mg/m3

UK. EH40 WEL - Workplace

2-Propanol 67-63-0 STEL 500 ppm



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Method Decanting **General Laboratory** Exposure Less than 5 minutes per shift Area **LOW ACUTE RISK - FULL EXPOSURE LOW CHRONIC RISK - FULL EXPOSURE**

Control Measures

LOW ACUTE RISK - INDIVIDUAL ACTIVITY

LOW CHRONIC RISK





Spillage

Less than 100ml -- use blue roll and dispose of in a well ventillated area. Above 100ml use spill kit, obtainable from EPS Perkin stores.

First Aid

If you require assistance pick up red phone OR dial extension 2222 (internal phone) OR safezone. First aid box in the corridor outside lab.

Fire

Trigger fire alarm and evacuate building. Call to 2222 or use safezone to alert security.

If safe to do so, use an appropriate fire extinguisher in the corridor to extinguish the fire, e.g. foam, dry powder or carbon dioxide



Activity Comments

Use a funnel to decant up to 50 ml from the Winchester bottle into a 50 ml dropper bottle. Marigold gloves and eye protection to be worn.

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Date Printed 27/05/2024



Material/Process

OPTIC CLEANING USING ACETONE AND IPA

Supplier Keyword HERIOT-WATT

vord Acetone

Signal Word



Method Decanting Area General Laboratory Exposure Less than 5 minutes per shift

LOW ACUTE RISK - FULL EXPOSURE LOW CHRONIC RISK - FULL EXPOSURE

Control Measures

LOW ACUTE RISK - INDIVIDUAL ACTIVITY LOW CHRONIC RISK





Health Hazards

H225: Highly flammable liquid and vapour.

H319 - Causes serious eye irritation

H336 May cause drowsiness or dizziness (referred to cleaning solvents: IPA and Acetone)

Activity Comments

Use a funnel to decant up to 50 ml from the Winchester bottle into a 50 ml dropper bottle. Marigold gloves and eye protection to be worn.



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Date Printed 27/05/2024



Assessment Reviewed 24/05/2024 Next Review 24/05/2029 Latest SDS Reference Derived

Material/Process

OPTIC CLEANING USING ACETONE AND IPA

LOW HAZARD

HERIOT-WATT Supplier Keyword

Acetone

Contents

A: Acetone: < 2.5l, A: Propan-2-ol: < 2.5l

Signal Word

Exp Limit

2-Propanol 67-63-0 STEL 500 ppm 1,250 mg/m3

UK. EH40 WEL - Workplace

Health Hazards

H225: Highly flammable liquid and vapour.

H319 - Causes serious eye irritation

H336 May cause drowsiness or dizziness (referred to cleaning solvents: IPA and Acetone)

Considerations



Method	Disposal	Area	General Laboratory		Exposure	Less than 5 minutes per shift
LOW ACUTE RISK - FULL EXPOSURE				LC	OW CHRONIC R	ISK - FULL EXPOSURE
Control M	Control Measures LOW ACUTE RISK - INDIVIDUAL		E RISK - INDIVIDUAL ACTI	IVITY		LOW CHRONIC RISK

Spillage

Less than 100ml -- use blue roll and dispose of in a well ventillated area. Above 100ml use spill kit, obtainable from EPS Perkin stores.

First Aid

If you require assistance pick up red phone OR dial extension 2222 (internal phone) OR safezone. First aid box in the corridor outside lab.

Fire

Trigger fire alarm and evacuate building. Call to 2222 or use safezone to alert security.

If safe to do so, use an appropriate fire extinguisher in the corridor to extinguish the fire, e.g. foam, dry powder or carbon dioxide



Activity Comments

Return all unused or contaminated solvent to Perkin stores for disposal. Use the Winchester bottle carrier for transporting the solvent.

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Date Printed 27/05/2024



Material/Process

OPTIC CLEANING USING ACETONE AND IPA

Supplier Keyword **HERIOT-WATT**

Acetone

Signal Word

Method

LOW HAZARD



Method	Disposal	Area	General Laborator	У	Exposure	Less than 5 minutes per shift	
	LOW ACUTE RISK - FULL EXPOSURE				LOW CHRONIC RISK - FULL EXPOSURE		
Control M	leasures	LOW ACUT	E RISK - INDIVIDUA	. ACTIVITY	L	OW CHRONIC RISK	

Activity Comments

Return all unused or contaminated solvent to Perkin stores for disposal. Use the Winchester bottle carrier for transporting the solvent.

Health Hazards

H225: Highly flammable liquid and vapour.

H319 - Causes serious eye irritation

H336 May cause drowsiness or dizziness (referred to cleaning solvents: IPA and Acetone)



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Material/Process

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LOW HAZARD

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Contents

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Health Hazards

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H319 - Causes serious eye irritation

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Method	Dispensing	Area	General Laboratory	,	Exposure	Less than 5 minutes per shift
LOW ACUTE RISK - FULL EXPOSURE			ı	LOW CHRONIC F	RISK - FULL EXPOSURE	
Control M	Control Measures LOW ACUTE RISK - INDIVIDUAL		ACTIVITY		LOW CHRONIC RISK	

Spillage

Less than 100ml -- use blue roll and dispose of in a well ventillated area. Above 100ml use spill kit, obtainable from EPS Perkin stores.

First Aid

If you require assistance pick up red phone OR dial extension 2222 (internal phone) OR safezone. First aid box in the corridor outside lab.

Fire

Trigger fire alarm and evacuate building. Call to 2222 or use safezone to alert security.

If safe to do so, use an appropriate fire extinguisher in the corridor to extinguish the fire, e.g. foam, dry powder or carbon dioxide



Activity Comments

Use the dropper bottle to dispense one drop at a time onto lens tissue for cleaning the optic.

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Date Printed 27/05/2024



Material/Process

OPTIC CLEANING USING ACETONE AND IPA

Supplier Keyword **HERIOT-WATT**

Acetone

Signal Word

LOW HAZARD



Method	Dispensing	Area	General Laborator	y Exposure	Less than 5 minutes per shift	Activity Comments
	LOW ACUTE RISK - FI	JLL FXPOSU	RF	LOW CHRONIC RE	SK - FULL FXPOSURF	Use the dropper bottle to dispense one drop at a time onto lens tissue for cleaning the optic.

LOW ACUTE RISK - FULL EXPOSURE LOW CHRONIC RISK - FULL EXPOSURE

Control Measures

LOW ACUTE RISK - INDIVIDUAL ACTIVITY LOW CHRONIC RISK

Health Hazards

H225: Highly flammable liquid and vapour.

H319 - Causes serious eye irritation

H336 May cause drowsiness or dizziness (referred to cleaning solvents: IPA and Acetone)

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Date Printed 27/05/2024



CONTROL SHEET cms.helpdesk@ecoonline.com

User making request

REQUEST DETAILS #ID: 4955445

Material Code: 408709

LOW UNCONTROLLED ACUTE RISK

LOW UNCONTROLLED CHRONIC RISK

Tradename: OPTIC CLEANING USING ACETONE AND IPA

N/A

LOW CONTROLLED ACUTE/CHRONIC RISK

IMC Supplier HERIOT-WATT

ACTIVITY DETAILS

MATERIAL DETAILS

Act No Method Area Exposure

1DecantingGeneral LaboratoryLess than 5 minutes per shift2Cleaning Up (Spill)General LaboratoryLess than 5 minutes per shift3DispensingGeneral LaboratoryLess than 5 minutes per shift4DisposalGeneral LaboratoryLess than 5 minutes per shift

SCENARIO DETAILS Additional work practices:

Approximately how much of the material is used by one person in one working day:

10 ml Frequency of use: Daily How many people are directly exposed?:

Are any other people put at risk from indirect exposure?:

No

breathing in vapour and skin contact and eye

contact

Are there any susceptible workers?: No Susceptible Categories:

Next Review 24/05/2029

Work Area Code Sub Area Code EPS IPAQS DTR

Other Information

- 1. Use clearly labelled glass solvent containers.
- 2. Minimal quantities to be kept in the lab.
- 3. Main solvent storage in DB G29 in an approved metal cabinet.
- 4. Solvent quantity restricted to one small bottle per bench.
- 5. Do not place flammable material near beam path.
- 6. Avoid breathing vapours, mist or gas.
- 7. Remove all sources of ignition.
- 8. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- 9. For very small spills wipe up with a blue roll or leave to evaporate.
- 10. Room DB G29 has a chemical spill mat, which should be used in case of a chemical spill.
- 11. If you have spilt a significant amount, evacuate all personnel (including you) to a safe area and shut off lab. You may have created a flammable atmosphere. Contact the School Safety Officer.

Considerations

A Control Sheet has not been completed for the selected exposure scenario