

ID#: 5375021
Fax:
Email: [REDACTED]

Assessment Owner:
Phone:
Date Created: 06/01/2026 17:47:00

Assessment Reviewed: 12/01/2026
Material Code: 282788

Next Review: 12/01/2029 12:13:00
Tradename: BUFFERED FORMALDEHYDE SOLUTION

Supplier Phone:
Keyword: Disinfectant

Supplier: [REDACTED]
IMC:

Approximately how much of the material is used by one person in one working day: 100mls

Frequency of use: Weekly
How many people are directly exposed?: 6-10

Are any other people put at risk from indirect exposure?: No

How are they exposed?: Risk of inhalation now minimised as department uses sealed closed system Secur Biop histology pots. Skin exposure, ingestion, and contact with eyes could be a risk should containers become damaged. Stored in pharmacy in sealed containers. Spillage only risk should containers become damaged.

Are there any susceptible workers?: Yes

Susceptible Categories: Pregnant

Other info:

Is this material being used outside of the normal temperature range?: No

Additional work practices: Staff should opt for a size appropriate container and handle with care, always checking expiry date on container.

Existing Control measures: Staff in theatre handling specimens for histopathology at risk. Staff should always use appropriate sized container for specimen and use as per manufactures instructions. Staff handling formalin must wear protective clothing, gloves, mask and eye protection in case of risk of spill. Wash hands thoroughly after removal of gloves. Staff must be aware of how to handle formalin and refer to the COSHH guidelines in case of spills etc. External company to handle disposal pf expired containers. In case of spillage dilute with plenty of water, absorb with an inert material and place in clinical waste bag. Do not allow into drains. Report any concerns to pharmacy and NIC

Exp Limit: Methanol 266mg/m3 Vap8hTWA 333mg/m3 Vap15mSTEL WEL, Formaldehyde 2.5mg/m3 8hTWA 2.5mg/m3 15mSTEL

Notes: This assessment has been compiled on the premise that the user has considered alternative methods of working under the hierarchy of control in accordance with the COSHH Regulations and/or the Carcinogens Directive and deemed them not practicable. Contains Formaldehyde. May produce an allergic reaction. Classification is based on the contents stated in the suppliers safety data sheet rather than on the suppliers classification

Files Uploaded

File Name

Activities

Act No	Method	Area	Exposure
19	Immersing	Inside Well Ventilated	Up to 1/2 hour per shift
20	Cleaning Up (Spill)	Inside Well Ventilated	Up to 1/2 hour per shift
21	Storage	Inside Well Ventilated	Over 8 hours per shift

Work Area

Safer Substitute Chosen

Reason for leaving/swapping material

Redacted

Material/Process

BUFFERED FORMALDEHYDE SOLUTION



Health Hazards

- May cause cancer
- Harmful if swallowed
- May cause an allergic skin reaction
- Suspected of causing genetic defects
- May cause eye irritation

Considerations



Supplier

[Redacted]

Keyword

Disinfectant

Contents

Formaldehyde: 1 - < 5%, Methanol: < 3%

Signal Word

Danger

Exp Limit

Methanol 266mg/m3 Vap8hTWA 333mg/m3 Vap15mSTEL
WEL, Formaldehyde 2.5mg/m3 8hTWA 2.5mg/m3
15mSTEL

Method

Storage

Area

Inside Well Ventilated

Exposure

Over 8 hours per shift

Spillage

- Ventilate area
- Wear polythene or nitrile gloves
- Wear eye protection if contact likely
- Suitable respiratory protection must be worn
- Wear protective overalls & chemical proof footwear
- Absorb in sand or inert absorbent material
- Small spills - wipe up with cloth
- Collect into a container, close lid
- Dispose or recycle of spillages in a controlled manner - Refer to Hazardous Waste Regulations if appropriate

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

LOW ACUTE RISK - INDIVIDUAL ACTIVITY

LOW CHRONIC RISK

Control Measures



KEEP SKIN COVERED



IF CONTACT POSSIBLE



First Aid

- In case of allergic reaction/anaphylactic shock call for immediate assistance from trained first aiders
- Inhalation - remove to fresh air; get immediate medical attention after significant exposure or if feeling ill
- Ingestion - do not induce vomiting, wash out mouth with water
- Ingestion - give plenty of water in sips, obtain immediate medical attention
- Eye - irrigate with water until irritation subsides; if irritation persists then consult a doctor
- Skin - wash with soap/cleanser and rinse with water; if irritation persists then consult a doctor

Fire

- Isolated small scale fire:
- Water fog - carbon dioxide - powder - foam - inert material
- Do not use water jet
- Large fire: evacuate area, call fire brigade or follow site procedure
- Wear self-contained breathing apparatus and protective clothing

Date Printed 14/01/2026

Material/Process

BUFFERED FORMALDEHYDE SOLUTION



Supplier [Redacted]
Keyword Disinfectant
Signal Word Danger

Method Storage Area Inside Well Ventilated Exposure Over 8 hours per shift

Activity Comments

Storage of articles and/or materials in sealed containers where occupational exposure to material will be negligible. In the event of a spill please refer to spillage section.

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

Control Measures

LOW ACUTE RISK - INDIVIDUAL ACTIVITY

LOW CHRONIC RISK



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15mSTEL

Method Immersing

Area Inside Well Ventilated

Exposure

Up to 1/2 hour per shift

Spillage

- Ventilate area
- Wear polythene or nitrile gloves
- Wear eye protection if contact likely
- Suitable respiratory protection must be worn
- Wear protective overalls & chemical proof footwear
- Absorb in sand or inert absorbent material
- Small spills - wipe up with cloth
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MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

Control Measures

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK



IMPERVIOUS OVERALLS

POLYTHENE OR NITRILE

IF CONTACT POSSIBLE

AND

LEV OR



FORMALDEHYDE-A1 FILTER

WASH AFTER USE

IF SOILED

CLOSE ALL CONTAINERS

SENSITISER/ACUTE HAZARD

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Material/Process

BUFFERED FORMALDEHYDE SOLUTION



Supplier [Redacted]
Keyword Disinfectant
Signal Word Danger

Method Immersing Area Inside Well Ventilated Exposure Up to 1/2 hour per shift Activity Comments

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

Control Measures **MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY**

MEDIUM CHRONIC RISK



IMPERVIOUS OVERALLS

POLYTHENE OR NITRILE

IF CONTACT POSSIBLE

AND

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WASH AFTER USE

IF SOILED



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Material/Process

BUFFERED FORMALDEHYDE SOLUTION



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WEL, Formaldehyde 2.5mg/m3 8hTWA 2.5mg/m3
15mSTEL

Method

Cleaning Up (Spill)

Area

Inside Well Ventilated

Exposure

Up to 1/2 hour per shift

Spillage

- Ventilate area
- Wear polythene or nitrile gloves
- Wear eye protection if contact likely
- Suitable respiratory protection must be worn
- Wear protective overalls & chemical proof footwear
- Absorb in sand or inert absorbent material
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Control Measures

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK



IMPERVIOUS OVERALLS

POLYTHENE OR NITRILE

IF CONTACT LIKELY

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FORMALDEHYDE-A1 FILTER

WASH AFTER USE

IF SOILED

SENSITISER/ACUTE HAZARD

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Date Printed 14/01/2026

Material/Process

BUFFERED FORMALDEHYDE SOLUTION



Supplier [Redacted]
Keyword Disinfectant
Signal Word Danger

Method Cleaning Up (Spill) Area Inside Well Ventilated Exposure Up to 1/2 hour per shift

Activity Comments

This assessment covers cleaning up a spill of the material; refer to the assessment for using this material for further controls.

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

Control Measures

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK



IMPERVIOUS OVERALLS



POLYTHENE OR NITRILE



IF CONTACT LIKELY



AND



LEV OR



FORMALDEHYDE-A1 FILTER



WASH AFTER USE



IF SOILED



SENSITISER/ACUTE HAZARD

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Date Printed 14/01/2026

CONTROL SHEET

REQUEST DETAILS	#ID: 5375021	User making request	[REDACTED]
MATERIAL DETAILS	Material Code: 282788	MEDIUM UNCONTROLLED ACUTE RISK	
Tradename:	BUFFERED FORMALDEHYDE SOLUTION	MEDIUM UNCONTROLLED CHRONIC RISK	
		LOW CONTROLLED ACUTE/CHRONIC RISK	
IMC	Supplier	[REDACTED]	

ACTIVITY DETAILS			
Act No	Method	Area	Exposure
19	Immersing	Inside Well Ventilated	Up to 1/2 hour per shift
20	Cleaning Up (Spill)	Inside Well Ventilated	Up to 1/2 hour per shift
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SCENARIO DETAILS			
Additional work practices:		Staff should opt for a size appropriate container and handle with care, always checking expiry date on container. Staff in theatre handling specimens for histopathology at risk.	
Approximately how much of the material is used by one person in one working day:	100mls	Frequency of use: Weekly	How many people are directly exposed?: 6-10
Are any other people put at risk from indirect exposure?:	No	Risk of inhalation now minimised as department uses sealed closed system Secur Biop histology pots. Skin exposure, ingestion, and contact with eyes could be a risk should containers become damaged. Stored in pharmacy in sealed containers. Spillage only risk should containers become damaged.	
Are there any susceptible workers?:	Yes	Susceptible Categories:	Pregnant
Next Review	12/01/2029		

Work Area Code TRAUMA AND ORTHOPAED	Sub Area Code MPH THEATRES
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Other Information
 This assessment has been compiled on the premise that the user has considered alternative methods of working under the hierarchy of control in accordance with the COSHH Regulations and/or the Carcinogens Directive and deemed them not practicable. Contains Formaldehyde. May produce an allergic reaction.

Considerations Answer

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

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