

# Generated COSHH Assessment Report

## Smart Summary

**Task:** Pipetting microlitre volumes (<1mL) with Hi-Di Formamide.

**Chemical:** Hi-Di Formamide

**Interpreted Hazard Class(es):** Carcinogen, Reproductive Toxin

**Key Controls Required:** Specialist Control Approaches, Protective Clothing, Gloves/Footwear, Eye Protection, Specific Gloves, Specific RPE


**Required Control Approach / Residual Risk Level:** Control Approach S (implies risk managed if controls implemented)



## COSHH Assessment

<b>Carried Out By (Step 1):</b> Yuen Ting Year	<b>Department:</b> Molecular	<b>Ref:</b> 75-12-7-2025
<b>Reviewed By (Steps 2 &amp; 3):</b> Miguel Bonnin	<b>Signature:</b> Miguel Bonnin	<b>Date:</b> 2025-10-07

### Step 1 The Process, Product(s) & Hazards

<b>Activity/Work Process, Product(s), Location:</b> Pipetting microlitre volumes (<1mL) with Hi-Di Formamide.		
<b>Who is exposed:</b> <input checked="" type="checkbox"/> Employees <input type="checkbox"/> Contractors <input type="checkbox"/> Others		
<b>Material Type:</b> Liquid - Non-Volatile		
<b>Hazards (New Symbols):</b>  HealthHazard		
<b>H-Statements (from MSDS):</b> H351, H360, H373		
<b>WEL Assigned?</b>	STEL: 30 ppm / 56 mg/m <sup>3</sup>	TWA: 20 ppm / 37 mg/m <sup>3</sup>
<b>MSDS Attached?</b> <input type="checkbox"/> No	<b>Quantity/Duration/Frequency Summary:</b> Qty: 1 mL; Freq: Weekly (1-4 times/week); Dur: < 15 minutes	

### Step 2 The Risk Assessment Evaluation

Factor	A	B	C	D	E	S (Specialist)
Hazard Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Quantity / Volume Group	Small <input checked="" type="checkbox"/>		Medium <input type="checkbox"/>		Large <input type="checkbox"/>	
Physical Characteristics Group	Low <input type="checkbox"/>		Medium <input type="checkbox"/>		High <input checked="" type="checkbox"/>	
Control Group Determined	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	S <input checked="" type="checkbox"/>	

### Step 3 The Suitable Controls

<b>Approval for use confirmed by:</b> Miguel Bonnin	<b>Date:</b> 2025-10-07
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<b>General control measures (HSE Control Guidance Sheet No: N/A):</b>
<input type="checkbox"/> General Ventilation <input type="checkbox"/> LEV <input type="checkbox"/> Containment <input checked="" type="checkbox"/> Specialist <input type="checkbox"/> Additional

<b>Personal Protective Equipment (HSE Control Guidance Sheet No: N/A):</b>	
<input checked="" type="checkbox"/> Clothing <input checked="" type="checkbox"/> Gloves/Footwear <input checked="" type="checkbox"/> Eye Protection <input type="checkbox"/> Respiratory <input type="checkbox"/> Other	
<b>Specify type (PPE):</b>  Specialist advice required (e.g., for carcinogens, mutagens, respiratory sensitisers). High level controls & PPE expected.  MSDS Specific P-phrases suggest: MSDS P280: Wear protective gloves/clothing/eye/face protection. (RPE likely not required based on hazard/exposure assessment; confirm if high aerosol/dust generation.) (RPE likely not required based on hazard/exposure assessment; confirm if high aerosol/dust generation.)	
<b>Specific First Aid requirements?</b>	First aid measures   Description of first aid measures   Skin contact   Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Immediate medical attention is required. Eye contact   Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required. Ingestion   Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If swallowed, rinse mouth with water (only if the person is conscious). Risk of serious damage to the lungs (by aspiration). Get medical attention if symptoms occur. Inhalation   Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a doctor. Notes to Physician   Treat symptomatically. Most important symptoms and effects, both acute and delayed   H360 - May damage fertility or the unborn child if swallowed H351 - Suspected of causing cancer if swallowed H373 - May cause damage to organs through prolonged or repeated exposure Indication of any immediate medical attention and special treatment needed   IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell.
<b>Particular fire extinguisher requirements?</b>	No special fire extinguisher required beyond standard lab provision, unless other flammable materials are present.
<b>Accidental Release / Spillage requirements e.g. spill kit</b>	Accidental release measures   Personal precautions, protective equipment and emergency procedures   Avoid exposure to vapour   Avoid breathing vapours or mists   Ensure adequate ventilation   Avoid contact with skin, eyes or clothing   Use personal protection equipment   See section 8 for more information Environmental precautions   No special environmental precautions required. Methods and material for containment and cleaning up   Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. Reference to other sections   See section 8 for more information.
<b>Handling and storage requirements? Note any incompatibilities.</b>	Handling and storage   Precautions for safe handling   Always wear recommended Personal Protective Equipment. Wash hands before breaks and immediately after handling the product. Do not get in eyes, on skin, or on clothing. Avoid breathing vapours or mists. If during normal use the material presents a respiratory hazard, use adequate ventilation and/or wear appropriate respirator. See
<b>Disposal precautions? Note any incompatibilities.</b>	Disposal considerations   Waste treatment methods   The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this... (see full section)
<b>Particular instruction and training needed on use?</b>	
<b>Any specific symptoms to be aware of and to report?</b>	
<b>Health Surveillance requirements?</b>	
<b>Workplace and Personal Monitoring requirements?</b>	
<b>Emergency Plans required or not?</b>	

## Step 4 Further Actions or Additional Measures Required

Actions / Measures Required	Who	When	Check
Print off physical copy of COSHH assessment to store in the lab folder (Due to Specialist Classification)	Miguel Bonnin	2025-10-07	Yes

### Step 5 Acknowledgement and Review

I declare that I have read, understood and been instructed in the measures to be applied and agree to abide by the findings.		
<b>Name:</b> Miguel Bonnin	<b>Signature:</b> Miguel Bonnin	<b>Date:</b> 2025-10-07
<b>Next Review Date:</b> 2026-10-07		

This assessment was generated using the CABI COSHH Helper (developed by J. Miguel Bonnin with AI assistance). This tool automates PDF parsing and provides an initial cautious risk assessment. **Final checks and adjustments must be made by the Lab Manager and COSHH Assessor.**

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This CABI COSHH Helper application was developed by J. Miguel Bonnin with assistance from AI (Gemini and Claude) to help automate and streamline parts of the COSHH assessment process.

**Disclaimer:** This tool is designed to automate the parsing of PDF files and the initial setup of the risk matrix. The tool is intentionally cautious in its risk assessments to allow users to apply their own professional judgment and adjust controls accordingly. All generated assessments and suggestions **must be thoroughly reviewed, verified, and approved by the responsible Lab Manager, COSHH Assessor, and/or other qualified safety personnel** before any work commences. Users are responsible for ensuring compliance with all relevant safety regulations and local procedures.