



Chemical Agents Risk Assessment – Part 1 of 3

Division: Acute Hospital	Source of Risk: Risk Assessment
HG/CHO/NAS/Function: RCSI Hospital Group	Primary Impact Category: Harm to a Person / Compliance
Hospital Site / Service: ABC Hospital	Risk Type: Operational
Dept/Service Site: Medical Ward	Name of Risk Owner (BLOCKS): MARY BROWN CNM2
Date of Assessment: 23/06/2023	Signature of Risk Owner: <i>Mary Brown CNM2</i>
Unique ID No: 1234	Risk Co-Ordinator: N/A
Objective being impacted: Compliance with OSH legislation & the maintenance of a safe & healthy work environment	^{1*}Risk Assessor(s): Mary Brown CNM2 / Joe Bloggs SN

Chemical Agents Risk Assessment – Part 2 of 3

Chemical Name (Concentration):	Bleach	Chemical Process:	A general chlorine based liquid disinfectant cleaner.
Number of Employees Exposed:	Categories of employees likely to be exposed: (Tick)		Duration and frequency of contact (Hr/day):
1 employee in contact with product at any one time.	Nursing Staff <input type="checkbox"/> Medical Staff <input type="checkbox"/> Care Staff <input checked="" type="checkbox"/> Maintenance Staff <input type="checkbox"/> Housekeeping <input type="checkbox"/> Others (please specify):	Daily exposure for up to 10 minutes at a time.	
Safety Data Sheet available: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Location of SDS : Attached in departmental chemical drive.		Date of SDS: 23/02/2023
Amount used and quantity stored	Hazard and risk associated with chemical:	Exposure route(s) (Tick):	Dustiness or Volatility: High, Medium or Low
1 x 5 litre container used fortnightly. 1x5 litre container stored in lock press.	H315 causes skin irritation H317 causes serious eye damage H400 very toxic to aquatic life H411 toxic to aquatic life with long lasting effects	Eyes <input checked="" type="checkbox"/> Skin <input type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/>	No dust generated from this product. This product is not volatile.

¹ Risk Assessor required for OSH risks only

Classification, Labelling and Packaging (CLP) Hazard Symbols									
CLP SYMBOLS									
	Acute toxicity hazard	Serious long term health hazard	Health hazard	Corrosion Hazard	Environmental hazard	Flammability hazard	Oxidising Hazard	Explosion Hazard	Stored as gas under pressure
Tick appropriate pictogram. Refer to section 2 of SDS				X	X				
Insert appropriate signal word i.e. danger or warning . Refer to section 2 of the SDS									
<p>Occupational Exposure Limit Value (OELV) If applicable insert airborne OELV: _____</p> <p>Refer to 2021 Code of Practice for the Chemical Agents and Carcinogens Regulations.</p> <p>OELV: There is no OELV for bleach.</p>									

Chemical Agents Risk Assessment – Part 3 of 3				
² HAZARD & RISK DESCRIPTION	EXISTING CONTROL MEASURES	ACTIONS [ADDITIONAL CONTROLS] REQUIRED	³ ACTION OWNER	DUE DATE
<p>Risk of ill health due to potential exposure to bleach for Healthcare staff.</p> <p>The potential exposure is via skin/eye contact while sterilising work surfaces on a daily basis. .</p>	<p>Storage: stored in a cool dry well ventilated area away from light. Bleach is stored in a locked cupboard separate to incompatible products such as acids as per SDS.</p> <p>Use: use in accordance with manufacturer’s instructions. Do not mix with any other chemicals, as contact with acids can liberate toxic gas. Chemicals must only be used by trained staff and in accordance with SOP 00101.</p> <p>PPE: gloves (household rubber gloves), eye protection and aprons to be worn. Same issued as required.</p> <p>Waste: discharge used solutions to drain. Small amount (less than 5 litres) of unwanted product may be flushed with water to sewer.</p> <p>Spill Procedure: In the event of a spillage safety glasses, protective clothing, gloves, eye and face protection to be worn. <u>Small Spill</u> – flush away spillage with plenty of water. Refer to local spillage procedures located in departmental chemical drive. All employees trained in the spillage procedure. All spillages to be recorded on incident reporting form and investigation completed by Manager in consultation with staff.</p> <p>Based on the amount used and stored, large spill unforeseen.</p>	<p>Chemical safety awareness training to be organised for the remainder of staff based on training needs analysis.</p> <p>Continuous monitoring and review of all existing controls. Implementation and supervision of all procedures by all staff.</p>	Mary Browne CNM2	31/12/2023
			All Employees	31/12/2023

² Where the risk being assessed relates to an OSH risk please ensure the HAZARD and associated risk are recorded. Other risk assessments require a risk description only.

³ Person responsible for this action.



			<p>In the event of a fire follow local procedures and training.</p> <p>First Aid: <u>Skin Contact</u> – wash with plenty of water. Seek medical attention if irritation persists. <u>Eye Contact</u> – rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Seek medical attention immediately. <u>Ingestion</u> – do not induce vomiting. Give plenty of water to drink. Seek medical attention. <u>Inhalation</u> – unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, if safe remove the staff member from the area and allow the staff member to breathe fresh air. Staff member to remain in a position comfortable for breathing. Get medical attention.</p> <p>Hygiene Measures: to reduce potential exposure wash hands with liquid soap and water before eating, drinking and when leaving work.</p> <p>Training: 50% of the staff compliment has completed the chemical safety module of HSeLand.</p>								
⁴ Inherent Risk			⁵ Residual Risk			⁶ Target Risk			Risk Status		
Likelihood [1-5]	Impact [1-5]	Rating [Likelihood x Impact]	Likelihood [1-5]	Impact [1-5]	Rating [Likelihood x Impact]	Likelihood [1-5]	Impact [1-5]	Rating [Likelihood x Impact]	Open	Monitor	Close
N/A	N/A	N/A	2 (Unlikely)	2 (Minor)	4 (Low)	2 (Unlikely)	2 (Minor)	4 (Low)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

⁴ Rating **before** consideration of existing controls

⁵ Rating **after** consideration of existing controls

⁶ Desired rating **after** actions