


Controlling the hazards of forklift battery charging

Please note: This is a Vero Insurance sample template only.

Company/Division:			
Performed by:			
Location			
Date:			

Any 'No' response should be explained. Note specific problem, location and improvement action to be taken.

Risk: Highly explosive hydrogen gas emission with likely sources of ignition.						
	 <p>Battery charging is often conducted in warehouses and distribution centres which contain large volumes of combustible storage. Highly explosive hydrogen gas can be released during the battery charging process increasing the potential for explosion. Electrical sources of ignition include crushed leads, faulty adaptors, and short circuits.</p>	(Insert your own photograph of an acceptable standard)				
		Yes	No	N/A	Comments	Completed (date)
	Battery charging equipment is maintained and operated in accordance with manufacturers specifications. Signs displaying maintenance and operations are clearly displayed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Employees or contractors engaged in changing batteries and charging operations are appropriately trained yearly at least	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Only authorised persons can enter the battery charging area and signs depicting this restriction are clearly displayed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Smoking, hot work and any other likely ignition source is prohibited within 3 m of the charging station. Signs displaying this prohibition are clearly displayed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	An area for battery charging has been defined and dedicated with appropriate floor markings and/or physical barriers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	The area is well ventilated (naturally or mechanically) considering the evolution of highly combustible hydrogen gas from batteries under charge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	The area and all battery chargers including forklifts are always clear of all combustible storage by at least 2 m. on all sides including above and chargers are not within storage racking systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Battery charging equipment is not located within 2 m of combustible insulated sandwich panels such as	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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	expanded polystyrene (EPS). Barriers and signage to this effect are provided					
	Combustible panel signage, including no hot work/penetration signage is provided upon EPS paneling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Where we have multiple battery charging stations we have sub-divided them into two (at least) 2-hour fire rated areas or detached from each other by clear and open space of at least 10 m	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	All battery chargers are provided with impact protection considering frequent vehicular movements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Power leads, power points etc. are frequently inspected for acceptable condition (i.e. crushed leads, faulty adaptors etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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