

JSA ANALYSIS



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Authors: M.Anderson	USING LITHIUM BATTERY PACKS	Job Safety Analysis Number: DST/JSA-006
Date Issued: 09/05/2004		Locations: All Locations
Required Personal Protective Equipment: Long sleeve shirt (coveralls), safety boots, hard hat, safety glasses, gloves, gas monitor		

Job Steps	Potential Hazardous Conditions	Recommended Actions
Remove battery pack from shipping container.	Short circuit.	Use a non-conductive work area.
Check battery pack voltage.	Short circuit.	Use a non-conductive work area.
Install battery pack	Short circuit.	Do not install in rain. Use non-conductive work area.
Storage	Excessive heating. Short circuit.	Use class D or Lith-X fire extinguishers only. Use original shipping containers. Use non-conductive work area. Use "Dangerous when wet 4" and "Miscellaneous dangerous goods 9" signs.
Transport	Explosion / venting toxic vapour.	Comply with Dangerous goods Regulations.
Using battery pack.	Explosion.	Do not pressurise or overheat.
Bring battery pack to surface.	Explosion / venting toxic vapour.	Depressure and let stand in lubricator for 15 minutes at atmosphere.
Break gauge and battery housing apart.	Venting toxic vapour.	Place battery housing and pack in sealed plastic bag with a tablespoon of baking powder in a dry well ventilated area. Notify manager, red tag and freight to Adelaide Instrument Department.
Disposal	Explosion / venting toxic vapours.	Seal in plastic bags containing baking soda, then in labelled fibre boxes, then in sealed drums containing vermiculite. PPE must be worn, road freight to Adelaide for disposal.
EMERGENCY PROCEDURES		EMERGENCY PROCEDURES Evacuate area, stay away for at least 15 minutes. Use class D or Lith-X fire extinguishers only.