

Risk Assessment



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|---------------------------|--|--|
| Subject | A standard cardboard collection box for recycled batteries | Task Description This Risk Assessment is to consider the hazards and risks involved with the handling of a potentially full box of batteries (15 Kg Max) that will be sent to a processor for recycling. |
| Location | Shops and collection centres | |
| Person(s) at Risk | Shop / Collection point employees | |
| Assessment no. | Valpak Battery Box – 004 -15 | |
| Completed by | M.D.Cockburn BA(Hons) CMIOSH, MIIRSM ,AIEMA, FRSH | |
| Date of Assessment | 10 th March 2010 | |



Likelihood

- 1 Low** Harm will seldom occur
- 2 Medium** Harm is reasonably likely to occur
- 3 High** Harm is certain or near certain to occur

Severity

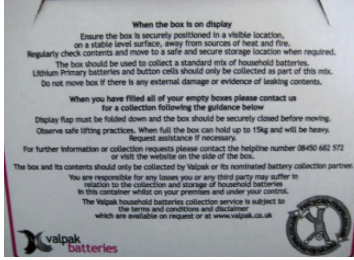

- 1 Low** Minor First Aid injury
- 2 Medium** Short term injury or disability requiring medical treatment
- 3 High** Death or major injury

Risk Factor (Likelihood x Severity)

- 1 2** Low residual risk
- 3 4 5** Medium residual risk
- 6 7 8 9** High residual risk

Risk Assessment



| Hazard Description | Control Measures in Place | Likelihood | Severity | Risk Factor | New Control Measures Identified |
|---|--|------------|----------|-------------|---|
| Manual Handling – lifting the box either up or down from the storage position at the collection point | The box has been designed to only contain 15 Kg Information on the back of the box indicates safety issues that apply to the use of the box i.e. How to use, Location, Manual Handling and weight limits Advisory Note on side of box “Caution Heavy Contents” | 1 | 2 | 2 | Manual Handling training for all end users personnel who will be required to lift or move these boxes  |
| Batteries falling out from the bottom of the box as it is lifted | The design of the box ensures that the base will take the weight that it was designed for and should not collapse Full instructions for safe construction on the base of the box | 1 | 2 | 3 | End users to check that the boxes have been assembled correctly – full instruction on the base of the box  |

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| Base of box collapsing due to becoming wet from external fluid | The design of the box is such that it negates the potential for collapse The materials used in construction have been tested by the designers for :- <ul style="list-style-type: none"> • compression, • puncture • drop | 1 | 1 | 1 | Manual Handling training for all end users personnel who will be required to lift or move these boxes |
| The mixing of a full range of batteries including lithium has the potential for fire | Boxes to have a delivery slot that will only accept small domestic type batteries Signage is very explicit as to what type of battery can be placed into the box | 1 | 2 | 2 | Signage on the boxes to make it specifically clear as to the type of batteries that can be recycled and information pictorially that wires must be removed  |

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Corrective Actions Required

| Risk Identified What is the risk i.e.being hit by something, cut, back strain. | Risk Rating | No. of People Exposed to Risk | Action Required What is needed to be done to prevent an accident happening. | Person responsible for taking the action | New Risk After Corrective Action | | |
|---|-------------|-------------------------------|---|--|----------------------------------|----------|-------------|
| | | | | | Likelihood | Severity | Risk Factor |
| Manual handling | 2 | 1 | Clients at point of collection are to ensure all personnel are trained in the correct manual handling to be carried out | Client | 1 | 2 | 2 |
| Batteries falling out of the bottom of the box | 2 | 1 | Ensure that the labelling that explains box construction is very visible | Box Designers | 1 | 1 | 1 |
| Mixing of batteries | 2 | 1 | Good signage with pictures making it specifically clear as to what batteries can be recycled using these boxes | Label Designers | 1 | 1 | 1 |

Signed

Dated

10th March 2010

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