



ABRI

Promoting battery stewardship in Australia

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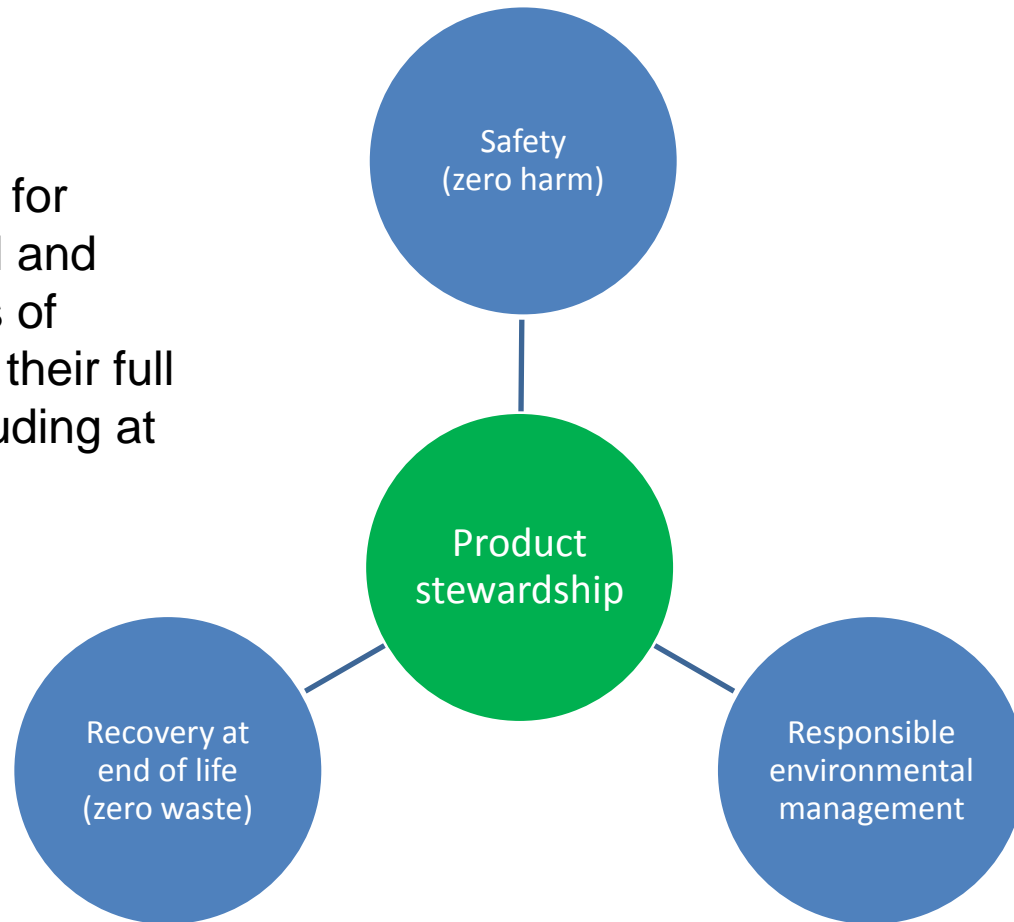
ABRI's vision

Effective stewardship of all end-of-life batteries



What does stewardship mean?

Responsibility for environmental and social impacts of batteries over their full life cycle, including at end of life



Members



What we do

Advocacy, education, engagement

- Handheld batteries
 - Promote existing services
 - Advocacy for a national stewardship scheme
 - Guidelines on safety and packaging
- Automotive and industrial batteries
 - Guidelines on packaging, safe storage and transport
 - Lobbying for harmonised waste and DG regulations
 - Research on new technologies and infrastructure gaps

The image shows the cover and content of the 'Packaging Standard for Used Lead Acid Batteries (ULAB)' document. The cover features the ABRI logo and the title 'PACKAGING STANDARD FOR USED LEAD ACID BATTERIES (ULAB)'. Below the title is a photograph of several lead acid batteries. A green banner across the middle of the document reads 'LEAD ACID BATTERY RECYCLING Safe Handling'. The document is divided into several sections:

- The Importance of Safe Handling**

A used lead acid battery (ULAB) can cause serious injury if not handled correctly.

 - Battery casings can be brittle and break easily, so they should be handled carefully to avoid an acid spill.
 - The sulphuric acid in batteries is highly corrosive and can cause chemical burns.
 - Acid splashes can lead to skin irritation, eye damage and respiratory irritation.
 - In marine environments the acid can produce hazardous chlorine gas if mixed with salt water.
 - Batteries can be very dense and heavy, so proper lifting techniques must be used to avoid back injuries.
- Personal Protective Equipment**

A used lead acid battery may be damaged or may be missing a cap, so it is important to protect yourself from potentially leaking acid which can severely damage eyes and skin.

When handling used lead acid batteries ensure personal protective equipment (PPE) is supplied and worn. Consult the Material Safety Data Sheet (MSDS) for the electrolyte fluid to determine the correct type of PPE. At a minimum, the recommended PPE should include:

 - gloves that are acid resistant
 - safety glasses
 - acid resistant clothing
 - safety boots
- Hygiene and First Aid**

Always practice good hygiene and wash your hands after handling a battery and before eating.

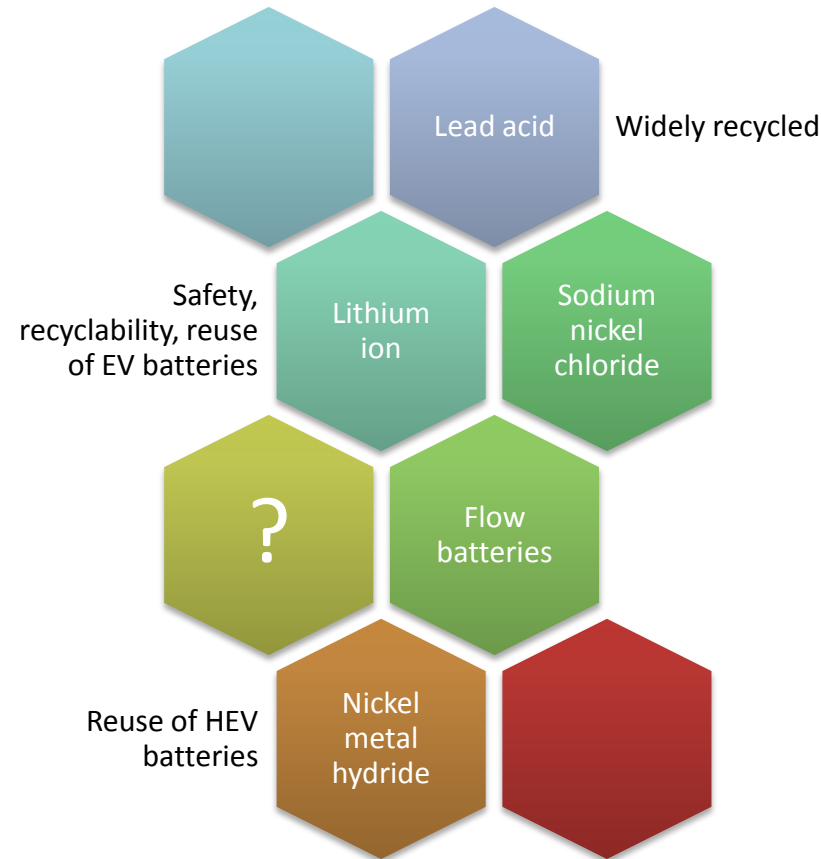
If battery electrolyte contacts skin or eyes, flush the area immediately with plenty of clean water and seek medical attention if required.

Have an eyewash station in the designated storage area for a sign indicating the location of the nearest eyewash station.
- Australian Battery Recycling Initiative**

The Australian Battery Recycling Initiative is a not-for-profit association established in 2009 to promote responsible environmental management of batteries at end of life. More information on battery recycling can be found on their website at www.batterycycling.org.au.

At the bottom of the document, there is a 'NOTE' section and logos for 'Coastal Communities' and 'ABRI'.

Energy storage – challenges and opportunities



Guide to recycling options for energy storage batteries:

www.batteryrecycling.org.au/recycling/energy-storage-batteries

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